

35

40

45

Ala Ser Phe Cys Phe Gly Cys Arg Glu Trp Phe Ile His Thr Leu Ile
50 55 60

Pro Ser Pro Pro Leu Val Asp Gly Gly Leu Ala Phe Ser Ile Pro Val
65 70 75 80

Phe Trp Cys Leu Pro Leu Ser Ala Thr Leu Asn His Leu Ser Trp Ser
85 90 95

Cys Cys Val Met Gly Thr Cys Leu
100

<210> 2624

<211> 19

<212> PRT

<213> Homo sapiens

<400> 2624

Val Cys Leu Leu Cys Ile Pro Gly Ala Gln Asn Arg Ala Trp His Ile
1 5 10 15

Val Gly Ala

<210> 2625

<211> 83

<212> PRT

<213> Homo sapiens

<400> 2625

Met Ile Phe Leu Arg Lys Ala Ile Leu Leu Gln Leu Phe Pro Lys Ser
1 5 10 15

Cys Ser Gly Asn Gly Trp Ser Ser Tyr Ser Gln Trp Arg Gly Glu Gln
20 25 30

Val Gly Leu Gly Ile Tyr Leu Phe Arg Leu Leu Val Gly Trp Ser Trp
35 40 45

Gly Ile Glu Ile Asn Gln Glu Asp Val Ser Thr Lys Pro Ala Val Ser
50 55 60

Gln Leu Arg Glu Cys Leu Gly Ser Gln Glu Thr Trp Thr Gly Gly Val
65 70 75 80

Trp Val Asp

<210> 2626

<211> 104

<212> PRT

<213> Homo sapiens

<400> 2626
Met Glu Asn Ser Leu Leu Ala Met Phe His Glu Ser Arg Ile Leu His
1 5 10 15

Leu Trp Ala Ala Leu Phe Leu Val Glu Leu Leu Gln Glu Val Pro Ile
20 25 30

Met Thr Cys Ser Asn Ala Asn Thr Pro Ser Val Asn Thr Gly Tyr Phe
35 40 45

Lys Leu Ser Ser Val Ala Thr Thr Leu Arg Gln Gln Leu Val Leu
50 55 60

Glu Ile Ser Leu Met Ser Val Pro Pro Gly Cys Gly Pro Leu Leu Pro
65 70 75 80

Val Leu Ile Pro Val Ala Ser Phe Cys Cys Ile Ile Thr Ile Trp Leu
85 90 95

Leu Ile Leu Met Phe Glu Lys Asp
100

<210> 2627
<211> 59
<212> PRT
<213> Homo sapiens

<400> 2627
Leu Leu Gly Thr Trp Leu Cys Pro Gln Leu Pro Pro Gly Leu Gly Ala
1 5 10 15

His His Ala Pro Ser Ser Phe Ser Ser Tyr Leu Cys Pro Val Ser Pro
20 25 30

Ser Ile Arg Leu Ser Asp Gly Thr Leu Trp Glu Arg Leu Trp Pro Trp
35 40 45

Ser Gly Gly Arg Glu Gln Gly Gly Arg His Lys
50 55

<210> 2628
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2628
Met Gly Val Phe Phe Ile Leu Arg Xaa Leu Thr Ser Gln Cys Phe Leu
1 5 10 15

Ser Trp Phe Leu Gly Phe Val Ser Ala Glu Ser Phe Glu Gln Trp Ser
20 25 30

Ile Ser Gly Ser
35

<210> 2629
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2629
Met Cys Cys His Ile Xaa Gln Ile Ala Thr Val Leu Leu Leu Ser Leu
1 5 10 15

Cys Trp Leu Cys Ala Thr Leu Met Val Pro Arg Asn Arg
20 25

<210> 2630
<211> 51
<212> PRT
<213> Homo sapiens

<400> 2630
Met Pro Trp Phe Val Pro Leu Val Ser Trp Glu Glu Leu Ala Pro Ala
1 5 10 15

Gln Leu Ser Cys His Trp Pro Phe Arg Val Gly Leu Gly Pro Glu Cys
20 25 30

Leu Leu Val Ala Ser His Gly Gly Leu Met Ala Gln Pro Ser Pro Lys
35 40 45

Arg Ala Gln
50

<210> 2631
<211> 27
<212> PRT
<213> Homo sapiens

<400> 2631
Met Ala Leu Ala Gly Phe Phe Leu Pro Trp Thr His Cys Cys Arg Leu
1 5 10 15

Ser Leu Lys Phe Leu Cys Gly Val Thr Arg Ser
20 25

<210> 2632
<211> 15
<212> PRT

<213> Homo sapiens

<400> 2632

Met Leu Ile Val Leu Leu Ile Asn Leu Ser Ser Glu Pro Ser Cys
1 5 10 15

<210> 2633

<211> 3

<212> PRT

<213> Homo sapiens

<400> 2633

Met Ser Thr
1

<210> 2634

<211> 32

<212> PRT

<213> Homo sapiens

<400> 2634

Met Tyr Val Asn Leu Asn Thr Val His Asp Ala Leu Leu Tyr Leu Leu
1 5 10 15

Leu Leu Leu Ile Met Asp Lys Met Trp Met Gly Ala Glu Arg Glu
20 25 30

<210> 2635

<211> 39

<212> PRT

<213> Homo sapiens

<400> 2635

Met Phe Gln Leu Cys Leu Glu Ile Phe Gln Phe Phe Val Ser Val Phe
1 5 10 15

Ile Ser Phe Leu Glu Ser Leu Ala Glu Phe Gln Glu Thr Val Ala His
20 25 30

Leu Leu Val Met Lys Cys Phe
35

<210> 2636

<211> 126

<212> PRT

<213> Homo sapiens

<400> 2636

Met Glu Arg Leu Gly Val Leu Trp Thr Leu Leu Val Ser Arg Trp Phe
1 5 10 15

Ile Cys Leu Phe Val Asp Ile Leu Pro Val Glu Thr Val Leu Arg Ile
20 25 30

Trp Asp Cys Leu Phe Asn Glu Gly Ser Lys Ile Ile Phe Arg Val Ala
35 40 45

Leu Thr Leu Ile Lys Gln His Gln Glu Leu Ile Leu Glu Ala Thr Ser
50 55 60

Val Pro Asp Ile Cys Asp Lys Phe Lys Gln Ile Thr Lys Gly Ser Phe
65 70 75 80

Val Met Glu Cys His Thr Phe Met Gln Val Cys Gly Ala Ala Arg Gly
85 90 95

Ser Val Pro Ser Gln Gly Ala Pro Pro His Leu Gln Pro Gly Gly Cys
100 105 110

Ser Asp His Pro Glu Gly Ala Gln Asp Gly His Gln Trp Ala
115 120 125

<210> 2637
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2637
Met Lys Leu Ser Cys Cys Phe Phe Gly Ala Leu Glu Trp Thr Phe Leu
1 5 10 15

Ala Ala Val Thr Leu Gly Pro Leu Pro Ser Arg Val Leu Leu Cys His
20 25 30

Arg Gly Cys
35

<210> 2638
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2638
Met Leu Leu Cys Val Leu Ile Val His Cys Phe Leu Phe Leu Asn Ser
1 5 10 15

Leu Ala Leu Tyr Gly Cys Pro Thr Val Val Tyr Pro Leu Ala Ser
20 25 30

<210> 2639
<211> 15
<212> PRT
<213> Homo sapiens

<400> 2639

Met Asn Ser Gly Gly Ser Gly Trp Cys Gly Pro Ser Ser Ser Ser
1 5 10 15

<210> 2640
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2640
Met Leu Ser Leu Ala Leu Leu Trp Pro Ile Phe Ile Leu Phe Thr Val
1 5 10 15

Gln Cys His Leu Phe Gly Asn Thr Gln His Gln Arg Val Leu Pro Asn
20 25 30

<210> 2641
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2641
Met Leu Ser Leu Ala Leu Leu Trp Pro Ile Phe Ile Leu Phe Thr Val
1 5 10 15

Gln Cys His Leu Phe Gly Asn Thr Gln His Gln Arg Val Leu Pro Asn
20 25 30

<210> 2642
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2642
Met Asn Phe Phe Leu Gly Leu Trp Leu Leu Tyr Ile Leu Tyr Ile Leu
1 5 10 15

Arg Ile Leu Tyr Thr Ile Leu Ile Tyr Cys Asn Thr Ala Val Phe Asp
20 25 30

Asn Leu Asp Ser Ile Trp Tyr Met Asn Phe Cys Ile His Tyr
35 40 45

<210> 2643
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2643
Met Lys Arg Thr Leu Leu Ser Ser Val Ile Cys Leu Ser Ala Ser Pro
1 5 10 15

Ala Gln Gly Gln Ala Pro Trp Gln Cys Pro Ala Val Thr Gly Asp Ser
20 25 30

Ala Glu Val Thr Tyr Pro Glu Lys Pro Leu His Gly Leu Ser Arg Arg
35 40 45

Glu Lys Thr Ala Leu Pro Gly Pro Trp Phe Gly Leu Xaa Arg Gly Lys
50 55 60

Gly Pro
65

<210> 2644
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2644
Met Ile Leu Ser Val Leu Arg Asn Thr Gly Leu Cys Thr Ser Leu Phe
1 5 10 15

Met Gly Leu Trp Ile Leu Phe Ile Leu Arg Pro Val Tyr Asn Cys Phe
20 25 30

Leu Pro Lys Gly Ile Val
35

<210> 2645
<211> 57
<212> PRT
<213> Homo sapiens

<400> 2645
Met Gly Leu Leu Tyr Met Val Leu Leu Lys Ser Ile Val Phe Phe Ser
1 5 10 15

Gly Val Ser Glu Glu Leu Lys Ala Tyr Gly Val Gly Leu Gln Thr Val
20 25 30

Ile Glu Phe Leu Gln Asn Thr Arg Phe Trp Ala Trp Arg Trp Ile Ser
35 40 45

Gln Ala Leu Leu Gly Leu Ala Leu Lys
50 55

<210> 2646

<211> 55
<212> PRT
<213> Homo sapiens

<400> 2646
Met Glu Ser Leu Gly Pro Asp Ile Trp Leu Ile Ser Gly Ile Ala Ser
1 5 10 15
Ser Pro Ser Phe Leu His Val Leu Val Val Val Val Gly Glu Cys
20 25 30
Gly Trp Gly Met Ser Trp Leu Met Pro Ala Lys Ile Ser Ser His Pro
35 40 45
Pro Cys Leu Ser Ser Leu Phe
50 55

<210> 2647
<211> 27
<212> PRT
<213> Homo sapiens

<400> 2647
Met Gly Ala Leu Val Glu Leu Leu Tyr Ile Phe Pro Phe Leu Leu Pro
1 5 10 15
Ser Phe Leu Ser Glu Lys Leu Leu Glu Lys Lys
20 25

<210> 2648
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2648
Met Pro Ala Gly Val Gly Trp Trp Val Cys Leu His Val Arg Val Cys
1 5 10 15
Leu Gly Ser Phe Lys Gly Glu Arg Gly Thr His His Ala Gly Ser
20 25 30
Ala Leu Lys Arg
35

<210> 2649
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2649
Met Leu Cys Leu Ile Ala Ile Leu Leu Tyr Val Leu Val Gln Tyr Leu
1 5 10 15
Val Asn Pro Gly Val Leu Arg Thr Asp Pro Arg Tyr Glu Ala Ala Pro
20 25 30

Gly Pro

<210> 2650
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2650
Met Cys Ile Leu Cys Tyr Thr Gln Gly Pro Lys Phe Leu Gln Leu Phe
1 5 10 15
Ile His Ala Ile Val Leu Leu Phe Ala Glu Met Glu Ile Ile Tyr Thr
20 25 30
Glu Leu Gln Ile Pro Glu Met Phe His Leu Tyr Leu Ile
35 40 45

<210> 2651
<211> 23
<212> PRT
<213> Homo sapiens

<400> 2651
Cys Leu Gln Trp Phe Val Pro Leu Val Pro Gln Gln Ile Pro Glu Leu
1 5 10 15
Ile Leu Met Thr Ile Trp Lys
20

<210> 2652
<211> 123
<212> PRT
<213> Homo sapiens

<400> 2652
Met Val Trp Gln Pro Phe Phe Tyr Leu Phe Asn Gln Glu Asp Ala Gly
1 5 10 15
Glu Leu Cys Cys Leu Ser Cys Trp Leu Val Ala Ala Leu Cys Pro Gly
20 25 30
Val Cys Met Trp Val Tyr Leu Glu Leu Leu Ser Leu Pro Ser His Cys
35 40 45
Lys Leu His Pro Asp Glu Thr Ala Val Val Leu Gly Leu Phe His Leu
50 55 60
Ser Leu Pro Val Pro Ala Ser Ser Trp Leu Ser Cys Ala Trp Asp Met
65 70 75 80
Gly Leu Pro Ile Cys Val Phe Ser Lys Ser Gly Ala Asp Gln Glu His
85 90 95

Thr Lys Val Trp Ser Cys Ile Ile Thr Asn Ile His Ser Ser Gly Thr
100 105 110

Phe Leu Arg Tyr Ile Tyr Lys Ser Phe Gln Gln
115 120

<210> 2653
<211> 123
<212> PRT
<213> Homo sapiens

<400> 2653
Met Val Trp Gln Pro Phe Phe Tyr Leu Phe Asn Gln Glu Asp Ala Gly
1 5 10 15

Glu Leu Cys Cys Leu Ser Cys Trp Leu Val Ala Ala Leu Cys Pro Gly
20 25 30

Val Cys Met Trp Val Tyr Leu Glu Leu Leu Ser Leu Pro Ser His Cys
35 40 45

Lys Leu His Pro Asp Glu Thr Ala Val Val Leu Gly Leu Phe His Leu
50 55 60

Ser Leu Pro Val Pro Ala Ser Ser Trp Leu Ser Cys Ala Trp Asp Met
65 70 75 80

Gly Leu Pro Ile Cys Val Phe Ser Lys Ser Gly Ala Asp Gln Glu His
85 90 95

Thr Lys Val Trp Ser Cys Ile Ile Thr Asn Ile His Ser Ser Gly Thr
100 105 110

Phe Leu Arg Tyr Ile Tyr Lys Ser Phe Gln Gln
115 120

<210> 2654
<211> 87
<212> PRT
<213> Homo sapiens

<400> 2654
Met Leu Leu Ala Asn Leu Arg His Gly Gly Thr Val Asp Glu Tyr Leu
1 5 10 15

Gln Asp Gln Leu Ile Val Phe Met Ala Leu Ala Asn Gly Val Ser Arg
20 25 30

Ile Lys Thr Gly Pro Val Thr Leu His Thr Gln Thr Ala Ile His Phe
35 40 45

Ala Glu Gln Ile Ala Lys Ala Lys Phe Ile Val Lys Lys Ser Glu Asp
50 55 60

Glu Glu Asp Ala Ala Lys Asp Thr Tyr Ile Ile Glu Cys Gln Gly Ile
65 70 75 80

Gly Met Thr Asn Pro Asn Leu
85

<210> 2655
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2655
Met Leu Val Phe Val Leu Leu Trp Ile Ser His Leu Phe Ser Gly Arg
1 5 10 15
Ser Glu His Cys Ser Leu Val Gln Ser Ser Tyr Phe Pro Ser Ser
20 25 30

<210> 2656
<211> 41
<212> PRT
<213> Homo sapiens

<400> 2656
Met Ala Ala Asn Ala Asn Ile Leu Trp Asn Ser Ser Lys Ser Thr Arg
1 5 10 15
Asp Pro Gly Trp Phe Phe Val Leu Phe Ser Leu Phe Phe Pro Pro Ser
20 25 30
Pro Glu Ser Ala Gly Met Glu Gly Gly
35 40

<210> 2657
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2657
Met Thr Ile Ile Cys Leu Leu Phe Leu Thr Leu Leu Leu Leu Phe
1 5 10 15
Lys Gly Ile Val Gln Ser Ser Ile Leu Tyr Leu Trp Gln Gln Val Lys
20 25 30
Val Ser Arg
35

<210> 2658
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2658
Leu Leu Cys Val Leu Ala Gly Leu Thr Leu Leu His His Cys Gln Leu
1 5 10 15

Ala

<210> 2659

<211> 58

<212> PRT

<213> Homo sapiens

<400> 2659

Met Gln Gln Lys Glu Pro Trp Ala Trp Ser Met Gln Asn Trp Phe Leu
1 5 10 15

Leu Gln Leu Leu Leu Val Gly Ser Gly Arg Lys His Ile Glu Phe
20 25 30

Met Ile Met Val Asn Leu Trp Arg Glu Arg Gly Asp Gln Asp Glu Gly
35 40 45

Ala Ser Arg Arg Ser Cys Ser Ser Val His
50 55

<210> 2660

<211> 19

<212> PRT

<213> Homo sapiens

<400> 2660

Lys Phe Trp Phe Ala Phe Glu Leu Phe Leu Phe Met Trp Leu Leu Ile
1 5 10 15

Ile Ser Ser

<210> 2661

<211> 32

<212> PRT

<213> Homo sapiens

<400> 2661

Met Val Leu His Phe Leu Asp Thr Ile Leu Ile Phe Leu Ile Pro Pro
1 5 10 15

Pro Thr Phe Gln Ile Ala Ser Leu Met Pro Gln Arg Leu Leu Cys Pro
20 25 30

<210> 2662

<211> 65

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2662
Met Val Pro Leu Leu Phe Leu Pro Leu Asp Ser Trp Leu Trp Arg Glu
1 5 10 15

Lys Lys Tyr His Leu Leu Asp Ala Asp Ser Glu Xaa Ile Tyr Ser Pro
20 25 30

Leu Glu Asn Ser Ala Leu Pro Ala Ser Xaa Cys His Leu Ala Gly Ala
35 40 45

Ile Thr Glu Ser Ser Lys Gly His Pro Ile Ile Leu Leu Gly Gln Leu
50 55 60

Leu
65

<210> 2663
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2663
Met Glu Val Phe Leu Tyr Leu Gly Val Val Gly Phe Trp His Ile Gly
1 5 10 15

Ile Ser

<210> 2664
<211> 30
<212> PRT
<213> Homo sapiens

<400> 2664
Met Asn Phe Gln Val Trp Gly Thr Gly Gln Cys Thr Phe Leu Ser Leu
1 5 10 15
Phe Ile Leu Leu Phe Leu Lys Ile Cys Asn Thr Tyr Gln Arg
20 25 30

<210> 2665
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2665

Met Ile Ser Arg Gly Ile Thr Ile Tyr Leu Thr Val Leu Leu Thr Tyr
1 5 10 15

Thr Val Val Leu Phe Tyr Leu Phe Lys Ser Gly Phe Ser Ala Phe His
20 25 30

<210> 2666

<211> 32

<212> PRT

<213> Homo sapiens

<400> 2666

Met Ala Leu Gln Ala Phe Ser Ser Leu Leu Leu His Ile Leu Ser Thr
1 5 10 15

Ser Thr His Tyr Pro Val Pro Lys Pro Leu Pro His Phe Gln Ala Leu
20 25 30

<210> 2667

<211> 37

<212> PRT

<213> Homo sapiens

<400> 2667

Met Val Ser Val Ser Arg Gln Thr Leu Val Thr Phe Ser Leu Val Tyr
1 5 10 15

Val Pro Phe Leu Leu Leu His Ile Phe Gly Ser Lys Ser Tyr Trp Leu
20 25 30

Asn Gln Gln Gly Leu

35

<210> 2668

<211> 36

<212> PRT

<213> Homo sapiens

<400> 2668

Met Pro Gly Lys Leu Asn Pro Cys Leu Leu Trp Leu Leu Ile Leu Met
1 5 10 15

Leu Phe Lys Lys Cys Lys Ala Ser Leu Val Ser Lys Arg Ser Trp
20 25 30

Ile Tyr Ile Ala

35

<210> 2669
<211> 25
<212> PRT
<213> Homo sapiens

<400> 2669
Met Lys Lys Arg Leu Ser Pro Leu Ser Trp Ala Arg Cys Cys Leu Cys
1 5 10 15
Phe Trp Leu Gln Val Gly Thr Thr Asn
20 25

<210> 2670
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2670
Met Leu Ser Pro Gly Arg Cys Phe Ala Ile Trp Ser Leu Phe Leu Cys
1 5 10 15

Ser

<210> 2671
<211> 65
<212> PRT
<213> Homo sapiens

<400> 2671
Met Pro Phe Trp Ile Leu Pro His Val Asp Cys Leu Cys Val Cys Met
1 5 10 15
Phe Gly Val Arg Met Cys Glu Thr Leu Leu Trp Phe Trp Glu Ser Glu
20 25 30

Leu Tyr Arg Thr Val Tyr Lys Met Ser Leu Pro His His Pro Tyr Ser
35 40 45

Ala Leu Leu Thr Leu Phe Phe Pro Pro Ser Ser His Ser His Ser Ser
50 55 60

Phe
65

<210> 2672
<211> 9
<212> PRT
<213> Homo sapiens

<400> 2672
Met Phe Met Met Ser Val Tyr Ile Leu

<210> 2673

<211> 41

<212> PRT

<213> Homo sapiens

<400> 2673

Met Ser Met Cys Lys Val Arg Arg Gly Ser Leu Asn Tyr Leu Leu
1 5 10 15

Phe Trp Leu Thr Ser Pro Ile Phe Lys Thr Leu Ser Asn Ser Gln Asn
20 25 30

Leu Leu Met Arg His Val Val Leu Asn
35 40

<210> 2674

<211> 66

<212> PRT

<213> Homo sapiens

<400> 2674

Trp Leu Arg Phe Trp Cys Val Phe Ser Ser Cys Ser Gln Leu Gly Leu
1 5 10 15

Gly Leu Pro Lys Arg Trp Ile Ser Val Ser Thr Lys Ile Gln Gln Ile
20 25 30

Ile Thr Val Ser Pro Phe Asn Pro Phe Arg Asp Lys Val Arg Ile Ile
35 40 45

Tyr Asn Gly Thr Leu Ala Leu Gln Gly Leu Phe Thr Trp Tyr Leu Ser
50 55 60

Tyr Tyr
65

<210> 2675

<211> 39

<212> PRT

<213> Homo sapiens

<400> 2675

Met Gly Ala Ser Gln Cys Pro Phe Ala Ala Ala Leu Arg Pro Leu His
1 5 10 15

Phe Leu Leu Trp Val Ala Ala Leu Leu Gly Leu Gln Gln Pro Leu Gln
20 25 30

Arg Leu Gln Leu Arg Asn Ala
35

<210> 2676
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2676
Met Ser Ile Gln Ile Ile Cys Cys Leu Trp Phe Phe Leu Tyr Leu Ile
1 5 10 15

Thr Cys Gln Lys Pro Ser Leu Pro Leu Asp Phe Phe Ile Leu Pro Ser
20 25 30

Ser Glu Val
35

<210> 2677
<211> 30
<212> PRT
<213> Homo sapiens

<400> 2677
Met Trp Gln Ile Ala Met Ile Thr Leu Trp Ser Leu Leu Val Ser Gly
1 5 10 15

Asn His Gln Leu Glu Leu Arg Met Leu Asp Thr Val Pro Arg
20 25 30

<210> 2678
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2678
Met Phe Gln Asp Ile Leu Ala Leu Cys Leu Trp Leu Leu Pro Gly Val
1 5 10 15

Trp His His Ser Val Val Thr Tyr Asn His Cys Leu Gly Thr His Arg
20 25 30

Val Asn Cys Leu Ser Asp Lys
35

<210> 2679
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2679
Met Asp Tyr Phe Leu Leu Ala Arg Ala Asp Pro Asn Ala Leu Pro Trp
1 5 10 15

Glu Pro Ala Glu Phe Cys Pro Val Leu Leu Leu Ala Val Thr Gly Gln
20 25 30

His

<210> 2680
<211> 3
<212> PRT
<213> Homo sapiens

<400> 2680
Met Cys Ala
1

<210> 2681
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2681
Met Ile Trp Ser Ile Val Thr Cys Trp Ile Cys Val Cys Thr Gly Val
1 5 10 15
Phe Met Gln Gly Arg Leu Asn Ser Gln Val Arg Gly Glu Ser Glu Pro
20 25 30

His

<210> 2682
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2682
Met Thr Val Ser Phe Val Met Arg Phe Leu Ala Leu Ile Ser Asn Ser
1 5 10 15
Phe Phe Leu Pro Leu Ser Leu Gly Ala Thr Pro Asp Pro Cys Gln Val
20 25 30

Phe Leu

<210> 2683
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2683
Met Ser Ala Ser Ile Leu Cys Ser Phe Val His Ser Val Phe Phe Ile
1 5 10 15
Ser Gly Cys Phe Ser Val Val Phe Arg Lys Met Ile Ile Thr Leu Phe
20 25 30

Met

<210> 2684
<211> 180
<212> PRT
<213> Homo sapiens

<400> 2684
Met His Gln Cys Glu Ile Trp Arg Glu Leu Phe Ser Pro Leu His Ala
1 5 10 15

Leu Asn Phe Gly Ile Gly Gly Asp Gly Thr Gln His Val Leu Trp Arg
20 25 30

Leu Glu Asn Gly Glu Leu Glu His Ile Arg Pro Lys Ile Val Val Val
35 40 45

Trp Val Gly Thr Asn Asn His Gly His Thr Ala Glu Gln Val Thr Gly
50 55 60

Gly Ile Lys Ala Ile Val Gln Leu Val Asn Glu Arg Gln Pro Gln Ala
65 70 75 80

Arg Val Val Val Leu Gly Leu Leu Pro Arg Gly Gln His Pro Asn Pro
85 90 95

Leu Arg Glu Lys Asn Arg Gln Val Asn Glu Leu Val Arg Ala Ala Leu
100 105 110

Ala Gly His Pro Arg Ala His Phe Leu Asp Ala Asp Pro Gly Phe Val
115 120 125

His Ser Asp Gly Thr Ile Ser His His Asp Met Tyr Asp Tyr Leu His
130 135 140

Leu Ser Arg Leu Gly Tyr Thr Pro Val Cys Arg Ala Leu His Ser Leu
145 150 155 160

Leu Leu Arg Leu Leu Ala Gln Asp Gln Gly Gln Gly Ala Pro Leu Leu
165 170 175

Glu Pro Ala Pro
180

<210> 2685
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2685
Met Lys Met Asn Lys Leu Phe Trp Ile Arg Ile Leu Lys Leu Leu Leu
1 5 10 15

Gln Ala Leu Ser Gln Cys Lys Leu Leu Ile Lys Gly Lys Leu Gln Cys
20 25 30

Pro Arg Ile
35

<210> 2686
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2686
Met Ala Met Gly His Leu Val Phe Ile Ser Gly Ile Ile Gln Leu Val
1 5 10 15
Lys Gly Met Tyr Leu Ser Ala Trp Tyr Pro Leu Gln Lys Ser Trp Asn
20 25 30
Leu Thr Trp His Asn Lys Pro
35

<210> 2687
<211> 5
<212> PRT
<213> Homo sapiens

<400> 2687
Met Trp Thr Cys Lys
1 5

<210> 2688
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2688
Met Phe Arg Arg Gly Phe Gly Ser Phe Cys Phe Cys Phe Leu Lys His
1 5 10 15
Val Phe His Ser His Leu Gly Ile Leu Glu Ala Gly Gln Leu Ala Gly
20 25 30
Phe Leu Gly Cys Arg Glu Thr
35

<210> 2689
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2689
Met Pro Cys Pro Phe Ala His Leu Val Leu Leu Val Val Thr Ser Leu
1 5 10 15
Val Thr Gly Lys Val Ser Lys Asp Ile Gly Val Glu His Pro Gly
20 25 30

<210> 2690
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2690
Met Val Lys Leu Leu Val Lys Leu Thr Phe Ile Ile Ser Pro Leu Ile
1 5 10 15
Lys Ser Ser Asp Ser Gly Ile Thr Ser Leu Ser Cys Ser Tyr Gln Arg
20 25 30

Ala Ile Phe
35

<210> 2691
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2691
Met Gln Lys Leu Lys Gly Gly Ile Ser Val Phe Leu Ala Phe Leu Leu
1 5 10 15

Met

<210> 2692
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2692
Met Ile Leu Lys Gln Gly Leu Ile Cys Thr Trp Gln Val Leu Leu Leu
1 5 10 15
Ala Ser Ala Leu Glu Met Leu Val Phe Ile Cys Ala Met Glu Cys Leu
20 25 30

Thr Gln Phe Gln Val
35

<210> 2693
<211> 53
<212> PRT
<213> Homo sapiens

<400> 2693
Met Tyr Phe Phe Lys Ile Ser Ile Leu Leu Ser Leu Tyr Asn Ile Ser
1 5 10 15
Ile Leu Leu Cys Met Tyr Lys Leu Phe Asn Met Lys Phe Ala Glu Tyr

20

25

30

Ser Thr Ser Ser Lys Leu Tyr Asp Met Gly Gly Thr Glu Val Trp Gly
35 40 45

Tyr Leu Val Pro Val
50

<210> 2694
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2694
Met Thr Glu Ser Leu Leu Tyr Leu Gln Leu Ile Leu Leu Trp Gly Ile
1 5 10 15
Ser Glu Ile Pro Ser Ser Asn Thr Glu Met Tyr Arg Lys Cys Pro
20 25 30

<210> 2695
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2695
Met Gln Lys Gly Arg Ala Val Cys Leu Ser Pro Asp Leu Ala His Gly
1 5 10 15

<210> 2696
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2696
Met Gln Lys Gly Arg Ala Val Cys Leu Ser Pro Asp Leu Ala His Gly
1 5 10 15

<210> 2697
<211> 61
<212> PRT
<213> Homo sapiens

<400> 2697
Met Arg Val Leu Ile Leu Asn Val Ser Met Phe Leu Arg Ser Leu Ala
1 5 10 15

Tyr Ile Leu Trp Cys Ser His Trp Lys Trp Lys Asn Gly Ile Ile Tyr
20 25 30

Ile Ile Tyr Ile Asn Ile Tyr Tyr Thr Tyr Ser Pro Tyr Phe Ile Ser
35 40 45

Val Thr Ile Pro Ile Glu Phe Asp Lys Asn Cys Tyr Asp
50 55 60

<210> 2698
<211> 5
<212> PRT
<213> Homo sapiens

<400> 2698
Met His Ile Ile Gln
1 5

<210> 2699
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2699
Met His Phe Leu Phe Gly Tyr Tyr Val Phe Ser Leu Thr Ser Ala Ser
1 5 10 15

Pro Ala Leu Trp Ala Ala Ala Ser Thr Cys Ser Ser Asp Leu Asp Xaa
20 25 30

Pro Cys Trp Val Leu Val His Leu Leu Ile Trp Cys Phe Val Cys His
35 40 45

Gln Tyr Leu His Cys Ser Trp Trp Asp Val Ser His His Leu Leu Tyr
50 55 60

Leu Leu Pro Thr Arg Lys Ile Lys Arg Ser Tyr Phe Phe Pro Leu Arg
65 70 75 80

Ser Asn Phe Ser Leu Asp Ser Trp Tyr Pro Gln Phe
85 90

<210> 2700
<211> 11
<212> PRT
<213> Homo sapiens

<400> 2700
Met Phe Val Cys Leu Phe Leu Ile Asn Asn Ile
1 5 10

<210> 2701
<211> 120
<212> PRT
<213> Homo sapiens

<400> 2701

Val	Val	Phe	Gly	Ala	Ser	Leu	Phe	Leu	Leu	Ser	Leu	Thr	Val	Phe	
1				5				10					15		
Ser	Ile	Val	Ser	Val	Thr	Ala	Tyr	Ile	Ala	Leu	Ala	Leu	Leu	Ser	Val
		20						25					30		
Thr	Ile	Ser	Phe	Arg	Ile	Tyr	Lys	Gly	Val	Ile	Gln	Ala	Ile	Gln	Lys
		35					40				45				
Ser	Asp	Glu	Gly	His	Pro	Phe	Arg	Ala	Tyr	Leu	Glu	Ser	Glu	Val	Ala
	50				55					60					
Ile	Ser	Glu	Glu	Leu	Val	Gln	Lys	Tyr	Ser	Asn	Ser	Ala	Leu	Gly	His
	65				70				75				80		
Val	Asn	Cys	Thr	Ile	Lys	Glu	Leu	Arg	Arg	Leu	Phe	Leu	Val	Asp	Asp
		85					90					95			
Leu	Val	Asp	Ser	Leu	Lys	Leu	Ser	Phe	His	Ser	Ser	Val	Phe	Leu	Leu
		100				105						110			
Phe	Met	Asn	Gly	Ile	Arg	His	Arg								
	115				120										

<210> 2702
<211> 44
<212> PRT
<213> Homo sapiens

<400> 2702

Met	Asp	Thr	Trp	Ile	Phe	Leu	Leu	Val	Thr	Lys	Ile	Phe	Lys	Leu	Phe
1				5				10				15			
Val	Tyr	Thr	His	Val	Ser	Val	Pro								
		20					25					30			
Arg	Asn	Val	Tyr	Arg	Gly	Gly	Gln	Phe	Ser	Glu	Asp				
		35				40									

<210> 2703
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2703
Met Ile Ile Trp Phe Leu Pro Phe Thr Leu Leu Val Trp Phe Ile Thr
1 5 10 15
Phe Ile Asp Leu Phe Met Leu Asn His Pro Cys Xaa Pro Gly Ile Asn
20 25 30
Leu Thr

<210> 2704
<211> 5
<212> PRT
<213> Homo sapiens

<400> 2704
His Ala Cys Phe Leu
1 5

<210> 2705
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2705
Met Phe Cys Gly Ala Cys Gln Ile Gly Trp Asn Leu Trp Gly Leu Leu
1 5 10 15
Trp Glu Met Pro Arg Glu His Arg Phe Arg Arg Trp Glu Gln Leu Val
20 25 30

<210> 2706
<211> 23
<212> PRT
<213> Homo sapiens

<400> 2706
Met Ser Val Gln Arg Trp Ala Leu Lys Leu Thr Leu Ile Leu Leu Val
1 5 10 15
Glu Lys Ser Leu Lys Ala Ile
20

<210> 2707
<211> 39
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2707
Met Leu Asn Asn Phe Leu Gly Ile Asn Leu Gln Ala Trp Thr Ser Arg
1 5 10 15
Leu Ser Xaa Gln Phe Leu Leu Thr Phe Ala Thr Tyr Cys Tyr Ala Asn
20 25 30
Phe Gln Lys Asn Cys Thr Gln
35

<210> 2708
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2708
Met
1

<210> 2709
<211> 49
<212> PRT
<213> Homo sapiens

<400> 2709
Met Ala Pro Lys Phe Phe Val Ser Thr Gly Ile Ser Pro Met Ala Pro
1 5 10 15
Ile Ala Thr Ala Lys Pro Thr Ala Pro Pro Val Leu Pro Ala Ser Leu
20 25 30
Pro Asp Arg Arg Cys Leu Gln Ser His Thr Gln Ser Ser Gly His Leu
35 40 45

Pro

<210> 2710
<211> 72
<212> PRT
<213> Homo sapiens

<400> 2710
Met Trp Met Ser Leu Val Leu His His Ser Leu Pro Leu Gly Val Thr
1 5 10 15
Val Ala Leu His Cys Ala Cys Phe Val Ala Lys Asn Ser Gly Ile Pro
20 25 30
Ser Gly Glu Arg Ser Cys Phe Gln Gly Asn Arg Gln Ala Gly Ser Glu
35 40 45

Val Gln Glu Lys Ala Thr Glu Ala Trp Lys Gly Ser Ser Cys Ile Cys
50 55 60

Ala Ser Cys Ala Arg Arg Thr Leu
65 70

<210> 2711
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2711
Met Lys Thr Gln Asn His Cys Ile Phe Cys Ile Val Ile Leu Phe Ser
1 5 10 15

Thr Ser Val Pro Pro Leu Ile Trp Ser Trp Gln Cys Val Ser Val His
20 25 30

Ser Leu Phe
35

<210> 2712
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2712
Met Leu Lys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val
1 5 10 15

Ser Tyr Pro Leu Lys Lys Gly Leu Tyr Asn Lys Ser Ala Ser His Trp
20 25 30

Leu Leu

<210> 2713
<211> 5
<212> PRT
<213> Homo sapiens

<400> 2713
Met Asn Gly Leu Leu
1 5

<210> 2714
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2714
Met Arg Ser Ser Gly Ala Trp Gln Ala Met Val Gly Val Trp Ile Leu

1

5

10

15

Phe Leu Ser Ala Val Glu Ser Gln Gly Arg Val Leu Ala Glu Gln Arg
20 25 30

Cys Asn Leu Ala Trp Ala Leu
35

<210> 2715
<211> 26
<212> PRT
<213> Homo sapiens

<400> 2715
Met Tyr Cys Ile Ser Trp Glu Val Tyr Phe Met Ser Phe Leu Ala Phe
1 5 10 15

Phe Phe Pro Thr Ala Thr Ala Asn Glu Gly
20 25

<210> 2716
<211> 25
<212> PRT
<213> Homo sapiens

<400> 2716
Met Ser Leu Phe Phe Ile Trp Gln Leu Thr Lys Leu Leu Lys Ala Gln
1 5 10 15

Pro Asn Cys Thr Phe Ala Arg Thr Phe
20 25

<210> 2717
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2717
Met Ala Val Leu Ala Gly Ser Leu Leu Gly Pro Thr Ser Arg Ser Ala
1 5 10 15

Ala Leu Leu Gly Gly Arg Trp Leu Gln Pro Arg Ala Trp Leu Gly Phe
20 25 30

Pro Asp Ala Trp Gly Leu Pro Thr Pro Gln Gln Ala Arg Gly Lys Ala
35 40 45

Arg Gly Asn Glu Tyr Gln Pro Ser Asn Ile Lys Arg Lys Asn Lys His
50 55 60

Gly Trp Val Arg Arg Leu Ser Thr Pro Ala Gly Val Xaa Val Ile Leu
65 70 75 80

Arg Arg Met Leu Lys Gly Arg Lys Ser Leu Ser His
85 90

<210> 2718
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2718
Met Ile Lys Leu Val His Gln Ile Val Ile Leu Cys Val Met Arg Ile
1 5 10 15

Val Ala Gly Val Ile Leu Lys Cys Trp Tyr Leu Asp Arg Thr Ala Ser
20 25 30

Pro Gly Phe
35

<210> 2719
<211> 72
<212> PRT
<213> Homo sapiens

<400> 2719
Met Leu Asp Val Phe Leu Lys Ser Cys Phe Val Ser Phe Leu Ser Leu
1 5 10 15

Ile Val Lys Leu Leu Asn Ile Asn Arg Phe Ala Gln Pro Gln Arg Met
20 25 30

Arg Val Asp Asn Thr Glu Glu Val Met Gln Lys Gln Lys Ile Thr Leu
35 40 45

Leu Ile Ile Asp Ser Ile Thr Asn Lys Cys Leu Phe Leu Ser Leu Pro
50 55 60

Pro Phe Leu Pro Leu Pro Ser Ser
65 70

<210> 2720
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2720
Met Leu Leu Cys Thr His Thr Ser Leu Leu Leu Tyr Phe Ser Phe Trp
1 5 10 15

Met Gly Leu Ala Lys Thr Gly Ser Gly Gln Arg Pro Pro Lys Leu Tyr
20 25 30

Val Leu Pro Val Ser

<210> 2721
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 2721
 Met Pro Leu Gly Leu Pro Leu Ser Ala Ser Gly Phe Ser Val Gly Asp
 1 5 10 15

Leu

<210> 2722
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 2722
 Met Gln Lys Cys Arg Val Leu Ala Phe Leu Phe Cys Ala Leu Tyr Lys
 1 5 10 15
 Ala Gly Cys Asp Ser Asp Gln Leu Asn Phe Leu Tyr Tyr Val Ile Ser
 20 25 30
 Leu Thr Ala Thr Val Lys Met Ile Lys Ser Leu Tyr Asn Arg Lys Leu
 35 40 45
 Phe Lys Phe Tyr Phe Ser Thr Asp Ile Ser Asn Ser Ser Val Asn Val
 50 55 60

Tyr Gln
 65

<210> 2723
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 2723
 Met Arg Phe Cys Cys Leu Ile Leu Gln Ile Leu Thr Arg Leu Val Leu
 1 5 10 15
 Thr Lys Tyr Gly Arg Ser Gly Ile Arg Trp Lys Lys Glu Gly Ser Ser
 20 25 30
 Cys Cys Cys Ser Tyr Ser Cys
 35

<210> 2724
 <211> 34
 <212> PRT

<213> Homo sapiens

<400> 2724

Met Trp Arg Trp Lys Ala Val Thr Leu Met Ile Leu Thr Leu Ser Arg
1 5 10 15

Ser Arg Leu Met Cys Ala Phe Val Ser Trp Phe Leu Thr Lys Lys Phe
20 25 30

Lys Arg

<210> 2725

<211> 52

<212> PRT

<213> Homo sapiens

<400> 2725

Met Thr Ala Ser Pro Asp Tyr Leu Val Val Leu Phe Gly Ile Thr Ala
1 5 10 15

Gly Ala Thr Gly Ala Lys Leu Gly Ser Asp Glu Lys Glu Leu Ile Leu
20 25 30

Leu Phe Trp Lys Val Val Asp Leu Ala Asn Lys Lys Val Gly Gln Leu
35 40 45

His Glu Ser Ser
50

<210> 2726

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2726

Met Arg Ala Ala Val Gln Thr Cys Leu Pro Ser Gln Ala Leu Ala Ser
1 5 10 15

Leu Thr Trp Gln Arg Leu Cys Pro Gly Leu Ser Pro Pro Arg Ala Met
20 25 30

Ser Leu Met Ala Val Leu Thr Glu Arg Ser Gln Ile Val
35 40 45

<210> 2727

<211> 35

<212> PRT

<213> Homo sapiens

<400> 2727

Met Leu Phe Met Ala His Leu Leu Leu Arg Thr His Pro Leu Ser Leu
1 5 10 15

Trp Val Thr Ser Arg Gln Ala Lys Asp Trp Cys Phe Ser Phe His Pro

20

25

30

Leu Glu Gly
35

<210> 2728
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2728
Met Leu Phe Met Ala His Leu Leu Leu Arg Thr His Pro Leu Ser Leu
1 5 10 15
Trp Val Thr Ser Arg Gln Ala Lys Asp Trp Cys Phe Ser Phe His Pro
20 25 30

Leu Glu. Gly
35

<210> 2729
<211> 70
<212> PRT
<213> Homo sapiens

<400> 2729
Met Ser Pro Ser Gln Ser Gly Val Gly Ile Ser Gly Leu Gly Leu Phe
1 5 10 15
Leu Ser Lys Thr Pro Leu Phe Ser Leu Ile Leu Lys Val Ile Phe Leu
20 25 30
Arg Thr Glu Leu Leu Pro Lys Glu Arg Asp Gly Phe Pro Arg Arg His
35 40 45
Ser Trp Pro Ser Val Asp Leu Ser Val His Leu Leu Ala Leu Leu Ala
50 55 60
Asp Ser Ser Gly Trp Ala
65 70

<210> 2730
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2730
Met Thr Gly Val Gln Val Gln Trp Thr Val Ile Phe Leu Ala Pro Val
1 5 10 15

Ile Ala Val Ile Leu Cys Ala Met Gln Thr Met Leu Arg Ser Leu Trp
20 25 30

Leu Met Asp Leu Thr Leu Thr Val Ser Gln Val Val Glu Glu Arg Lys
35 40 45

Gln Met Lys Gly Lys Lys His Gly Ile Gln Gln Lys Lys Thr Leu
50 55 60

Glu Leu Ile Val Asn Met Met Xaa Val Ala Arg Val Gly Glu Lys Cys
65 70 75 80

Ser Thr Cys Ile Ser Lys Leu Asn Leu Met Leu Gln Met Lys Val Leu
85 90 95

Gly Lys Asp Ile Asn Gly
100

<210> 2731

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2731

Met Ser His Cys Trp Thr Leu Leu Ala Leu Ser Leu Trp Gly Leu Xaa
1 5 10 15

Val Ser Gln Gly Arg Glu Thr Trp Trp Arg Trp Pro His Gly Leu Gly
20 25 30

Pro Pro Cys Ser

35

<210> 2732

<211> 44

<212> PRT

<213> Homo sapiens

<400> 2732

Leu Ile Gly Val Phe Pro Pro His Leu Leu Ser Ser Leu Lys Cys Val
1 5 10 15

Pro Asp Ala Phe Ile Cys Cys Phe Thr Ser Met Phe Cys Phe Ser Ser
20 25 30

Ser Leu Cys Ser Leu Pro Val Tyr Pro Leu Ser Leu
35 40

<210> 2733

<211> 10

<212> PRT

<213> Homo sapiens

<400> 2733

Met Ile Val Thr Lys Met Tyr Phe His Val
1 5 10

<210> 2734

<211> 16

<212> PRT

<213> Homo sapiens

<400> 2734

Glu Lys Ile Asp Gln Gln Phe Thr Phe Ala Val Cys Leu Val Phe Val
1 5 10 15

<210> 2735

<211> 12

<212> PRT

<213> Homo sapiens

<400> 2735

Asn Trp Leu Asp Leu Phe Val Leu Gly Phe Ser Ser
1 5 10

<210> 2736

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2736

Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15

Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30

Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45

Lys Glu Glu Trp Val

50

<210> 2737

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2737

Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val

1

5

10

15

Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30

Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45

Lys Glu Glu Trp Val
50

<210> 2738

<211> 37

<212> PRT

<213> Homo sapiens

<400> 2738

Met Leu Gln Met Cys Ile Tyr Ala Gln Trp Tyr Ala Tyr Leu Cys Val
1 5 10 15

Thr Val Ser Val Ala Ser Trp Leu Asp Pro Thr Ile Ser Ser Glu Ile
20 25 30

Met His Pro Lys Gly
35

<210> 2739

<211> 17

<212> PRT

<213> Homo sapiens

<400> 2739

Met Leu Phe Phe Cys Gln Ala Leu Phe Val Leu Ala Val Tyr Tyr Ile
1 5 10 15

Phe

<210> 2740

<211> 38

<212> PRT

<213> Homo sapiens

<400> 2740

Met Arg Thr Ala Leu Phe Pro Thr Glu Cys Cys Leu Pro Met Cys Val
1 5 10 15

Val Leu Ala Val Phe Tyr Leu Pro Ile Val Phe Ser Arg Ile Ile Glu
20 25 30

Ser Ala Asp Ser Phe Asp
35

<210> 2741
<211> 56
<212> PRT
<213> Homo sapiens

<400> 2741
Met Phe Leu Ala Ser Phe Ser Ser Pro Gly Phe Gln Leu Ser Phe Ser
1 5 10 15

Ser Ser Ser Asn Met Ala Ser Ala His Lys Ser Leu Leu Cys Gln Asp
20 25 30

Leu Met Val Leu His Leu Pro Glu Pro Ser Ser Ala Ser Val Pro Arg
35 40 45

Pro Gln Leu Val Arg Leu Thr His
50 55

<210> 2742
<211> 56
<212> PRT
<213> Homo sapiens

<400> 2742
Gly Trp Phe His Leu Phe Trp Gln Glu Trp Glu Gln Glu Pro Gly Gln
1 5 10 15

Asn Lys Leu Leu Glu Ala Leu Val Leu Gly Thr Ala Ala Gly Arg Val
20 25 30

Gly Thr Arg Gln Asn Cys Leu Gln Asp Glu Ser Gln Glu Arg Thr Leu
35 40 45

Ser Pro Val Ser Gly Val Trp Leu
50 55

<210> 2743
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2743
Met Val Pro Arg Ser Val Ala Phe Val Lys Thr Leu Ala Leu Leu Glu
1 5 10 15

Leu Gly Phe Ala Leu Ala Val Met Gln Gly Cys Ala Glu Pro Ile Ser
20 25 30

Met

<210> 2744
<211> 51
<212> PRT
<213> Homo sapiens

<400> 2744
Ala Val Val Pro Thr Trp Cys Ser Thr Val Leu Leu Thr Phe Val Pro
1 5 10 15
Thr Ala Arg Leu Val Ala Gly Leu Glu Asp Val Gln Val Tyr Asp Gly
20 25 30
Glu Asp Ala Val Phe Ser Leu Asp Leu Ser Thr Ile Ile Gln Gly Thr
35 40 45
Trp Phe Pro
50

<210> 2745
<211> 10
<212> PRT
<213> Homo sapiens

<400> 2745
Met His Leu Ile Thr Val Leu Leu Asn Val
1 5 10

<210> 2746
<211> 25
<212> PRT
<213> Homo sapiens

<400> 2746
Met Phe Cys Leu Ser Phe Pro Ile Ser Gly Ala Tyr Leu Leu Ile Pro
1 5 10 15
Ala Tyr Phe Leu Glu Val Val Gly Lys
20 25

<210> 2747
<211> 97
<212> PRT
<213> Homo sapiens

<400> 2747
Met Glu Val Val Val Thr Val Thr Pro Lys Thr Cys Pro Leu Ser Ser
1 5 10 15
Leu Leu Leu Phe Leu Leu Tyr Phe Leu Val Ile Gly Ser Val Ile His
20 25 30
Leu Thr Ala Gly Phe Arg Ile Leu Val Leu Gly Leu Val Phe Leu Phe
35 40 45
Phe Pro Tyr Pro Pro Tyr Pro Asn Cys His Gln Val Leu Leu His Ala
50 55 60
Leu Met Ile Ser His Leu Ser Tyr Pro Ser Ser Phe Gln Ile Gly Pro
65 70 75 80

Ser Asp Phe Asn Leu Gly His Ser His Tyr Leu Leu Tyr Tyr Gly Lys
85 90 95

Ile

<210> 2748
<211> 334
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (290)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (316)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2748
Met Leu Phe Gly Ser Ile Phe Arg Cys Leu Asp Pro Ala Leu Thr Ile
1 5 10 15

Ala Ala Ser Leu Ala Phe Lys Ser Pro Phe Val Ser Pro Trp Asp Lys
20 25 30

Lys Glu Glu Ala Asn Gln Lys Lys Leu Glu Phe Ala Phe Ala Asn Ser
35 40 45

Asp Tyr Leu Ala Leu Leu Gln Ala Tyr Lys Gly Trp Gln Leu Ser Thr
50 55 60

Lys Glu Gly Val Arg Ala Ser Tyr Asn Tyr Cys Arg Gln Asn Phe Leu
65 70 75 80

Ser Gly Arg Val Leu Gln Glu Met Ala Ser Leu Lys Arg Gln Phe Thr
85 90 95

Glu Leu Leu Ser Asp Ile Gly Phe Ala Arg Glu Gly Leu Arg Ala Arg
100 105 110

Glu Ile Glu Lys Arg Ala Gln Gly Asp Gly Val Leu Asp Ala Thr
115 120 125

Gly Glu Glu Ala Asn Ser Asn Ala Glu Asn Pro Lys Leu Ile Ser Ala
130 135 140

Met Leu Cys Ala Ala Leu Tyr Pro Asn Val Val Gln Val Lys Ser Pro
145 150 155 160

Glu Gly Lys Phe Gln Lys Thr Ser Thr Gly Ala Val Arg Met Gln Pro

165 170 175

Lys Ser Ala Glu Leu Lys Phe Val Thr Lys Asn Asp Gly Tyr Val His
180 185 190

Ile His Pro Ser Ser Val Asn Tyr Gln Val Arg His Phe Asp Ser Pro
195 200 205

Tyr Leu Leu Tyr His Glu Lys Ile Lys Thr Ser Arg Val Phe Ile Arg
210 215 220

Asp Cys Ser Met Val Ser Val Tyr Pro Leu Val Leu Phe Gly Gly
225 230 235 240

Gln Val Asn Val Gln Leu Gln Arg Gly Glu Phe Val Val Ser Leu Asp
245 250 255

Asp Gly Trp Ile Arg Phe Val Ala Ala Ser His Gln Val Ala Glu Leu
260 265 270

Val Lys Glu Leu Arg Cys Glu Leu Asp Gln Leu Leu Gln Asp Lys Ile
275 280 285

Lys Xaa Pro Ser Ile Asp Leu Cys Thr Cys Pro Arg Gly Ser Arg Ile
290 295 300

Ile Ser Thr Ile Val Lys Leu Val Thr Thr Gln Xaa Lys Ala Val Leu
305 310 315 320

Xaa Ser Ala Cys Tyr Ser Pro Ala Ser Ser Ser Pro Gly Lys
325 330

<210> 2749
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2749
Met Gly Leu Leu Trp Asn Leu Ile Ala Thr Tyr Phe Cys Phe Pro Leu
1 5 10 15

Asp Ala Ala Ser Thr His Val Asp Tyr Glu Val Leu Thr His Pro Arg
20 25 30

Ser

<210> 2750
<211> 50
<212> PRT
<213> Homo sapiens

<400> 2750
Met Leu Pro Pro Pro Ser Leu Leu Phe Ile Phe Ser Ala Phe Cys Leu
1 5 10 15

Ala Ser Leu Pro Pro Cys Phe Ser Gly Trp Glu Leu Leu Val Thr Pro

20

25

30

Leu Ser Asp Cys Leu Val Ala Gly Thr Leu Pro Val Arg Ala Thr Phe
35 40 45

Leu Phe
50

<210> 2751
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2751
Met Tyr Leu Lys Tyr Cys Tyr Val Ile Leu Gly Tyr Leu Phe Ile Phe
1 5 10 15

Glu Ile Phe Val Tyr Ile Ala Phe Leu Asn Leu Ala Asn Asn Met Cys
20 25 30

Lys Gly Ile Asn Gln Lys
35

<210> 2752
<211> 5
<212> PRT
<213> Homo sapiens

<400> 2752
Ile Val Gly Phe Asn
1 5

<210> 2753
<211> 30
<212> PRT
<213> Homo sapiens

<400> 2753
Met Leu Gln Phe Ser Cys Leu Ser Ile Ser His Val Leu Ile Leu Leu
1 5 10 15

Ile Thr Phe Phe Ala Cys Val Val Leu Ala Pro Phe Gln Lys
20 25 30

<210> 2754
<211> 29
<212> PRT
<213> Homo sapiens

<400> 2754
Met Phe Phe Ser Cys Leu Phe Leu Phe Gly Leu Tyr Ser Gly Cys Leu
1 5 10 15

Phe Leu Phe Val Lys Arg Lys Gln Cys Thr Glu Lys Gln
20 25

<210> 2755
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2755
Met Glu Leu Asn Ile Ala Trp Met Thr Glu Lys Leu Trp Lys Glu Met
1 5 10 15

Glu Asp Phe Leu Asn Phe Ser Leu Val Leu Phe Val Met Lys Leu Lys
20 25 30

Leu Pro Ala Pro Glu Lys Val Phe Gln Tyr Leu Leu Cys
35 40 45

<210> 2756
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2756
Met Gln Thr Cys Leu Leu Trp Asn Leu Lys Thr Leu Leu Val Val Arg
1 5 10 15

Leu Leu Pro Gly Ile Pro Gly Leu Xaa Gly Phe Tyr Phe Asp Ser Lys
20 25 30

Gln Lys Gln Met Leu Cys
35

<210> 2757
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2757
Met Val Cys Ser Ile Leu Ser Phe Ser Ile Leu Pro Phe Trp Glu Asp
1 5 10 15

Phe Gly Ile Ser Phe Leu Phe Phe Leu Phe Phe Leu Arg Glu Trp Gln
20 25 30

Ile Val Phe Ser Gln Val
35

<210> 2758
<211> 52
<212> PRT
<213> Homo sapiens

<400> 2758
Met Cys Val Val Asn Ile Leu Trp Phe Ser Ala Phe Thr Ser Met Arg
1 5 10 15
Val Ala Ser Asp Pro Ala Arg Leu Thr Gly Leu Pro Lys Pro Ser Leu
20 25 30
Ala Ser Ser Thr Tyr Ile Ser Leu Cys Cys Ser Thr Ser Lys Gln Thr
35 40 45
Lys Ile Gly Val
50

<210> 2759
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2759
Met Phe Met Leu Ala Ile Leu Leu Thr Phe Phe His Pro Phe Leu Val
1 5 10 15
Tyr Arg Glu Cys Arg Thr Trp Lys Glu Ser Pro Ser Ala Ile Ala
20 25 30

<210> 2760
<211> 15
<212> PRT
<213> Homo sapiens

<400> 2760
Tyr Ile Phe Val Trp Ile Ser Ser Val Tyr Val Gln Tyr Phe Val
1 5 10 15

<210> 2761
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2761
Met Met Phe Val Ile Leu Asn Ala Leu Val Leu Gly His Leu Leu Ile
1 5 10 15
Phe Leu Gln Val His Phe Leu Val His Glu Val Ser Phe Val Ile Asn
20 25 30
Val Cys His Met Phe Ile Pro Ile
35 40

<210> 2762
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2762
Gly Met Ala Val Leu Val Glu Lys Ser Val Val Leu Val Ile Trp Leu
1 5 10 15
Gly Pro Val Ala Gln Ala Gly Ser Asn Trp Phe Ala Val Ser Ser Leu
20 25 30
Gln Glu Tyr Leu Lys Gln Gly Asp Ser Ser Ser Leu Leu
35 40 45

<210> 2763
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2763
Met Phe Pro Cys Lys Leu Val Val Gln Tyr Gln Leu Leu Pro Ile Phe
1 5 10 15
Ile Leu Lys Arg Pro Leu Gln Ile Ser Val Arg Val Phe Pro Val Ile
20 25 30
Thr His Ser Thr Leu Leu Lys Phe Ala Ile Ser Ser Ala Ile
35 40 45

<210> 2764
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2764
Met Thr Phe Val Ile Tyr Tyr Thr His Trp Phe Leu Leu Ile Ile Val
1 5 10 15
Leu Ser Asp Phe Leu Phe Ser Thr Met Val Pro Leu Ala Glu Lys
20 25 30

<210> 2765
<211> 2
<212> PRT
<213> Homo sapiens

<400> 2765
Lys Trp
1

<210> 2766

<211> 33
<212> PRT
<213> Homo sapiens

<400> 2766
Met Glu Lys Leu Asp Trp Ala Tyr Ser Gln His Ser Val Ile Cys Lys
1 5 10 15
Cys Ile Ser Leu Leu Cys Arg Val Phe Leu Leu Gly Val Asn Phe Asp
20 25 30

Ser

<210> 2767
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2767
Met Leu Thr Gly Thr Leu Phe Pro Gly Phe His Val Arg Leu Trp Ala
1 5 10 15
Leu Ser Pro Ala Gln Ala Gln Glu Cys Leu Val Gly Gly Glu Trp Ser
20 25 30

<210> 2768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2768
Met Cys Gly Cys Thr Thr Phe Phe Cys Asp Tyr Met Gly Ser Phe Glu
1 5 10 15
Arg Ile Tyr Leu
20

<210> 2769
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2769
Met Ile Phe Leu Gly Leu His Thr Phe Ala Leu Phe Ser Glu Pro Cys
1 5 10 15
Pro Leu Asn Val Thr Leu Leu Pro Phe Ser Thr Val Cys Val Pro Thr
20 25 30
Val Gln Gly Leu Pro Gly Thr Ala His Arg Leu Met Ala Cys
35 40 45

<210> 2770
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2770
Met Tyr Cys Lys Gln Ser Cys Val Leu Ile Leu Phe Ser Leu Phe Glu
1 5 10 15
Cys Ile Ile Ile Leu Ile Ile Pro Lys Thr Leu Thr Thr Gln Gly Thr
20 25 30
Ala Val Gln Tyr Tyr
35

<210> 2771
<211> 28
<212> PRT
<213> Homo sapiens

<400> 2771
Met His Leu Pro Gln Leu Pro Leu Gln Ser His His Tyr Cys Arg Leu
1 5 10 15
Ala Leu Arg Val Ser Phe Gln Val Phe Trp His Val
20 25

<210> 2772
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2772
Lys Met Asn Leu Phe Val Leu Val Gly Ala Ile Ser Phe Ile Phe Arg
1 5 10 15
Thr Thr Glu Cys Ala Phe Ile Asn Arg Met Lys Ala His Ala Glu Asp
20 25 30

<210> 2773
<211> 41
<212> PRT
<213> Homo sapiens

<400> 2773
Met Gly His Leu Lys Ser Cys Met Asn His Asn Leu Leu Trp Tyr Leu
1 5 10 15
Cys Thr Cys Leu Ile Leu Tyr Ser Leu Phe Gln Cys Gly Ile Cys Ala

20

25

30

Pro Leu Tyr Leu Leu Arg Ser Ala Glu
35 40

<210> 2774
<211> 82
<212> PRT
<213> Homo sapiens

<400> 2774
Leu Pro Val Glu Glu Pro Asn Pro Ala Lys Arg Leu Leu Phe Leu Leu
1 5 10 15

Leu Thr Ile Val Phe Cys Gln Ile Leu Met Ala Glu Glu Gly Val Pro
20 25 30

Ala Pro Leu Pro Pro Glu Asp Ala Pro Asn Ala Ala Ser Leu Ala Pro
35 40 45

Thr Pro Val Ser Pro Val Leu Glu Pro Phe Asn Leu Thr Ser Glu Pro
50 55 60

Ser Asp Tyr Ala Leu Asp Leu Ser Thr Phe Leu Gln Gln His Pro Ala
65 70 75 80

Ala Phe

<210> 2775
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2775
Met Ala Leu Leu Leu His Leu Thr Gly Leu Lys Cys Trp Gly His Leu
1 5 10 15

Trp Leu Leu Cys Ile Thr Val His Thr Gln Val Glu Pro Val Cys Ser
20 25 30

Phe Pro Phe Asp Met Phe Phe
35

<210> 2776
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2776
Met Met Leu Leu Leu Leu Trp Pro Gly Leu Gln Trp Lys Cys Thr Gly
1 5 10 15

Thr Pro Asn Val Val Asn Ala Leu Ser Ser Ile Cys Ser Gly Ile Leu
20 25 30

Arg Val Gly Leu Trp Phe His Ala Leu Ala Val Cys Lys
35 40 45

<210> 2777
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2777
Ser
1

<210> 2778
<211> 30
<212> PRT
<213> Homo sapiens

<400> 2778
Met Arg Lys Tyr Leu Met Gly Thr Val Tyr Thr Phe Leu Val Leu Val
1 5 10 15
Ala Gly Lys Ala Trp Thr Ser Pro Leu Arg Asn Ile Ser Val
20 25 30

<210> 2779
<211> 47
<212> PRT
<213> Homo sapiens

<400> 2779
Met His Glu Thr Cys Phe Tyr Phe Ala Ala Leu Val Leu Leu Val Leu
1 5 10 15
Leu Arg Lys Glu Lys Glu Gly Arg Glu Phe Met Val Arg Arg Phe Leu
20 25 30
Val Arg Arg Phe Ile Val Arg Arg Ser Arg Leu Gly His Lys Lys
35 40 45

<210> 2780
<211> 10
<212> PRT
<213> Homo sapiens

<400> 2780
His Ala Gly Arg Tyr Cys Val Ile Arg Ala
1 5 10

<210> 2781
<211> 41

<212> PRT
<213> Homo sapiens

<400> 2781
Leu Cys Thr Leu Ser Thr Ile Leu Cys Leu Phe Ser Ile Cys Leu Phe
1 5 10 15
Leu Pro Ile Ser Leu Pro Leu Arg Lys Lys Ile Gly Val Thr Phe Val
20 25 30
Lys Val Ile Leu Ile Val Asn His Leu
35 40

<210> 2782
<211> 11
<212> PRT
<213> Homo sapiens

<400> 2782
Leu Leu Phe Ala Ser Phe Leu Cys Lys Ile Leu
1 5 10

<210> 2783
<211> 63
<212> PRT
<213> Homo sapiens

<400> 2783
Met Phe Ile Ser Trp Phe Ile Leu Phe Arg Leu Tyr Pro Leu Ser Ser
1 5 10 15
Pro Phe Phe Ser Gln Asn Val Leu Lys Gln Ile Ser Asp Ile Leu Ser
20 25 30
Pro Tyr Tyr Phe Ile Gln Lys Tyr Phe Ser Ile Pro Glu Arg Tyr Ser
35 40 45
Ser Ser Lys Lys Lys Thr Thr Ile Pro Leu Ser His Leu Lys Ser
50 55 60

<210> 2784
<211> 59
<212> PRT
<213> Homo sapiens

<400> 2784
Met His Arg Trp Lys Ala Phe Phe Pro Gly Pro Tyr Pro Ser Leu His
1 5 10 15
Asn Thr Pro Val Thr Pro His His Gly Leu Leu Ser Asp Pro His Gly
20 25 30
Ile Pro Val Ala Leu Cys Ser His Thr Ala Phe Leu Ile Cys Pro Pro
35 40 45

Cys Leu Ser Leu Thr His Ile Leu Phe Gln Gly
50 55

<210> 2785
<211> 10
<212> PRT
<213> Homo sapiens

<400> 2785
Met Gly Cys Trp Leu Leu Pro Cys Phe Leu
1 5 10

<210> 2786
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2786
Met Pro Ala His Leu Cys Leu Leu Pro Leu Leu Cys Pro Ser Tyr
1 5 10 15
Ser Gln Asn Leu Tyr Leu Leu Ser Asn Leu His Phe Val Leu Val Pro
20 25 30

Leu Pro Phe Pro Ile Lys Glu
35

<210> 2787
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2787
Met Met Pro Pro Thr Gly Ser Gly Leu Glu Asn Ile Glu Gly Gly Leu
1 5 10 15
Lys Val Leu Val Val Glu Ala Leu Val Gly Gln Gly Arg Pro Leu Arg
20 25 30

Ile Trp

<210> 2788
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2788
Met Thr Pro Gly Ser Arg Val Met Gly Thr Cys Trp Gly Phe Cys Phe
1 5 10 15
Phe Phe Phe Thr Gly Trp Leu Asp Pro Gln Trp Gln Lys Asp Pro
20 25 30

<210> 2789
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2789
Met Lys Leu Leu Arg Ser Ala Ala Lys Leu Met Val Leu Ile Ser Thr
1 5 10 15
Gln Thr Ser Tyr Ala Phe Gly Glu Gln Cys Thr His Leu Thr Leu Phe
20 25 30
Leu Ile Asn Ser Asn Ser Gly Lys Ile Pro Leu Thr Tyr Phe
35 40 45

<210> 2790
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2790
Met Thr Gly Thr Pro Ala Trp Ala His Leu Leu Leu Leu Leu Leu
1 5 10 15
Gly Ser Ala Pro Gln Thr Arg Leu Trp Pro Pro Ser Gln Cys Pro Val
20 25 30
Thr Ser Pro Glu
35

<210> 2791
<211> 55
<212> PRT
<213> Homo sapiens

<400> 2791
Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly Val Gly Ile Leu Leu
1 5 10 15
Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn Ala Pro Pro Phe Leu Glu
20 25 30
Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly Thr Pro Ala Pro Gly Tyr
35 40 45
Pro Ser Tyr Gln Gln Tyr His
50 55

<210> 2792
<211> 7
<212> PRT
<213> Homo sapiens

<400> 2792
Met Pro Ile Trp Ala Phe Val
1 5

<210> 2793
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2793
Met Arg Lys Glu Phe Phe Leu Ile Leu Pro Leu Asp Phe Leu Phe Phe
1 5 10 15
Leu Leu Gln Val Ser Glu Arg Pro Arg Ser Leu Pro Leu Ser Pro Glu
20 25 30
Leu Glu Ser Ser Pro
35

<210> 2794
<211> 113
<212> PRT
<213> Homo sapiens

<400> 2794
Ser Ala Cys Asp Thr Gly Leu Ala Val Leu Leu Thr Val Phe Cys Ala
1 5 10 15
Cys Val Leu Pro Pro Phe Pro Pro Ala Ala Ala Glu Thr Arg Pro Ser
20 25 30
Phe His Thr Gln Ile Ser Cys Pro Val Leu Thr Pro Pro Cys His His
35 40 45
Gln Pro Cys Leu Glu Pro Pro Ala Leu Trp Gln Gln Asn Gln Thr Phe
50 55 60
Leu Trp Ala Phe Lys Met Val Leu Cys Pro Pro Val Arg Ser Cys Val
65 70 75 80
Leu Ser Pro Lys Gly His Ala Lys Asp Trp Leu Trp Glu Ala Leu Ile
85 90 95
Thr Asn Pro Ser Thr Ser Ser Leu Pro Gln Ala Gly Ser Asn Lys Cys
100 105 110
Ile

<210> 2795
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2795
Met Gln Leu Arg Gly Leu Ser Leu Asn Pro Arg Leu Leu Leu Thr Leu
1 5 10 15
Gly Ser Leu Cys Leu Gly Ser Ser Ala Pro Gly Phe Gly Arg Gln Gln
20 25 30
Phe Pro Lys Asn Lys Met
35

<210> 2796
<211> 162
<212> PRT
<213> Homo sapiens

<400> 2796
Met Leu Val Met Lys Trp Glu Glu Ser Ile Ile Trp His His Leu Val
1 5 10 15
Leu Cys Ala Asn Ser Gly Leu Ser Ile Leu Leu Ile Leu Pro Cys Lys
20 25 30
Val Asn Asn Tyr Tyr Pro His Phe Ala Val Glu Lys Thr Glu Tyr Ser
35 40 45
Asp Thr Thr Leu Thr Phe Leu Gly Ser Lys Lys Leu Ser Val Ser Leu
50 55 60
Gly Phe Glu Leu Gln Val Asn Leu Ile Leu Lys His Val Leu Leu Ser
65 70 75 80
Ile Arg Thr Val Val Leu Leu Thr Gly His Gly Ala His Ala Cys Asn
85 90 95
Ser Ser Thr Leu Gly Ser Gln Gly Trp Gln Ile Thr Trp Thr Gln Glu
100 105 110
Phe Glu Thr Ser Pro Gly Ser Met Ala Lys Pro His Leu Asn Arg Lys
115 120 125
Tyr Leu Lys Val Arg Gln Val Trp Trp His Ala Pro Val Val Pro Ala
130 135 140
Thr Arg Glu Ala Glu Val Lys Gly Leu Leu Glu Pro Ala Arg Trp Arg
145 150 155 160
Leu His

<210> 2797
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2797
Met Thr Cys Leu Leu Ser Gly Cys Leu Phe Cys Ser Arg Glu Gly Ser
1 5 10 15

Ala Val

<210> 2798
<211> 30
<212> PRT
<213> Homo sapiens

<400> 2798
Met Ile Phe Leu Leu Ile Val Asn Tyr Leu Ser Phe Ile Asp Tyr Gly
1 5 10 15
Arg Asp Leu Gln Asn Gly Ile His Val Gln Trp Cys Gly Glu
20 25 30

<210> 2799
<211> 71
<212> PRT
<213> Homo sapiens

<400> 2799
Glu Ser Ala Pro Pro Trp Leu Pro Ile Cys Pro Thr Arg Ser Leu Gly
1 5 10 15
Leu Leu Val Gln Leu Leu Ala Leu Ala Gly Ser Cys Ser Ala Gly Pro
20 25 30
Arg Ala Leu Gly Gln Ala Ser Gly Val Val Arg Thr Thr Lys Pro Leu
35 40 45
Leu Ser Pro Ser Thr Pro Leu Asp Leu Gly Pro Pro Glu Pro Pro Ala
50 55 60
Gly Trp Ala Tyr Thr Ser Ser
65 70

<210> 2800
<211> 183
<212> PRT
<213> Homo sapiens

<400> 2800
Met Thr Lys Ser Ser Ala Val Leu Phe Ile Leu Ile Phe Ser Leu Ile
1 5 10 15
Phe Lys Leu Glu Glu Leu Arg Ala Ala Leu Val Leu Val Val Leu Leu
20 25 30
Ile Ala Gly Gly Leu Phe Met Phe Thr Tyr Lys Ser Thr Gln Phe Asn
35 40 45
Val Glu Gly Phe Ala Trp Cys Trp Gly Pro Arg Ser Ser Val Ala Phe
50 55 60

Ala Gly Pro Ser Pro Arg Cys Ser Cys Arg Arg Leu Asn Ser Ala Ser
65 70 75 80

Arg Ile Pro Ser Thr Pro Cys Ser Thr Cys Ser His Ser Cys Ser Trp
85 90 95

Gly Ser Ser Leu Ser Leu Leu Tyr Leu Lys Val Ser Ile Cys Pro His
100 105 110

Leu Arg Lys Ser Ser Val Ser Arg Thr Gln Gly Cys Ser Cys Gly Tyr
115 120 125

Leu Gly Ala Ser Ser Leu Ala Gly Phe Ser Pro Leu Val Trp Ala Ser
130 135 140

Leu Ser Ser Ser Trp Ser Pro Glu Pro Pro Ala Ser Leu Ser Pro Leu
145 150 155 160

Pro Ala Phe Leu Arg Lys Ser Ala Leu Cys Cys Trp Gln Leu Ile Cys
165 170 175

Trp Ala Ile Arg Ser Ala Ser
180

<210> 2801
<211> 24
<212> PRT
<213> Homo sapiens

<400> 2801
Cys Ile Glu Cys Ile Val Leu Ala Gln Phe Ser Gly Ser Arg Lys Lys
1 5 10 15

Ile Gln Ala Arg Thr Ala Gly Leu
20

<210> 2802
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2802
Met Ser Phe Pro Tyr Trp Leu Phe Tyr Leu Leu Leu Phe Ser Leu Pro
1 5 10 15

Ile Arg Asp Ile Leu Gly Gly Asp Gly Lys Gly Trp Ala Lys Glu Gln
20 25 30

Thr Leu Gly Leu Gly Pro
35

<210> 2803
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2803
Ser Ile Tyr Leu Phe Leu Leu Arg Ala Gln Arg Leu Phe Pro Asn Ile
1 5 10 15

Leu Cys Leu Leu Phe Pro Asp Leu Leu Thr Gly Phe Phe Leu Pro
20 25 30

Met Asn Phe
35

<210> 2804
<211> 15
<212> PRT
<213> Homo sapiens

<400> 2804
Phe Leu Phe Ile Asn Val Gln Leu Pro Leu Cys Leu Ala Ser Arg
1 5 10 15

<210> 2805
<211> 2
<212> PRT
<213> Homo sapiens

<400> 2805
Lys Leu
1

<210> 2806
<211> 23
<212> PRT
<213> Homo sapiens

<400> 2806
Met Phe Ser His Asn Gly Lys Gly Lys Ala Ala Leu Trp Gly Leu Phe
1 5 10 15

Leu Leu Val His Glu Ser His
20

<210> 2807
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2807
Met Gly Pro Ser Phe Phe Leu Phe Ser Val Ala Phe Ser Ile Phe
1 5 10 15

Arg Val His Leu Ala Leu Pro Pro Asn Leu Ile Lys Asn Val Ser Asp
20 25 30

Leu

<210> 2808
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2808
Glu Lys Val Thr Arg Phe His Asn Ala Phe Leu Phe Pro Asn His Trp
1 5 10 15

Tyr Ser

<210> 2809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2809
Met Trp Trp Pro Ser Trp Met Thr Ser Ser Thr Gly Pro Ala Gly Val
1 5 10 15

Leu Cys Gly Pro
20

<210> 2810
<211> 13
<212> PRT
<213> Homo sapiens

<400> 2810
Glu Phe Arg Ala Gly Phe Leu Leu Leu Leu His Gly Met
1 5 10

<210> 2811
<211> 4
<212> PRT
<213> Homo sapiens

<400> 2811
Met Asn Ser Pro
1

<210> 2812
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2812

Met Leu Ser Phe Arg Ile Ile Ser Ser Phe Tyr Ile Ile Leu Val Phe
1 5 10 15

Cys Ser Tyr Val Leu Arg Ala His Thr Leu Leu Gly Ser Val Ser Pro
20 25 30

Arg Glu Lys Trp Tyr Glu Lys
35

<210> 2813
<211> 8
<212> PRT
<213> Homo sapiens

<400> 2813
Met Leu Phe Phe Lys Leu Ala Ile
1 5

<210> 2814
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2814
Met Leu Ile Lys Lys Leu Trp Phe Leu Gln Asp Phe Val Phe Arg Asp
1 5 10 15
Ser Gly Lys Glu His Ile Asn Gln Lys Glu Glu Leu Thr Ser Ile Leu
20 25 30
Leu Val Leu Lys Ile Thr Asp Tyr
35 40

<210> 2815
<211> 62
<212> PRT
<213> Homo sapiens

<400> 2815
Met Ala Met Tyr Cys Gly Leu His Gly Leu Thr Val Leu Thr Lys Met
1 5 10 15
Leu Pro Gly Cys Met Ser Ala Trp Lys Lys Leu Ser Arg Asn Thr Trp
20 25 30
Val Lys Lys Ile Ser Thr Pro Arg Ser Ala Ser Ile Phe Met Ser Val
35 40 45
Arg Trp Ser Ala Arg Val Ala Arg Ser Val Thr Cys Thr Pro
50 55 60

<210> 2816
<211> 36

<212> PRT
<213> Homo sapiens

<400> 2816
Met Phe Asn Ser Leu Leu Ala Phe Phe Leu Ile Leu Trp Gly Cys Ile
1 5 10 15
Thr Ser Leu Lys Asp Ile Val Ile Ile Ser Tyr Lys Val Lys Ile Lys
20 25 30
Lys Asp Cys Val
35

<210> 2817
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2817
Met Ala Leu Ile Leu Leu Leu Xaa Val Leu Met Glu Val Thr Leu Glu
1 5 10 15
Gly Lys Lys Lys Met Asp Gly Val His Met Glu Glu Met Val Gln Lys
20 25 30

Thr

<210> 2818
<211> 26
<212> PRT
<213> Homo sapiens

<400> 2818
Met Leu Val Leu Thr Phe Val Ser Val Tyr His Leu Asn Val Phe Met
1 5 10 15
Tyr Leu Met Val Phe Cys Gly Cys Phe Ser
20 25

<210> 2819
<211> 9
<212> PRT
<213> Homo sapiens

<400> 2819
Met Val Ser Ser Pro Gln Gly Leu Cys
1 5

<210> 2820
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2820
Tyr Cys Ile Phe Thr Phe Leu Ser Thr Ala Asp Val Thr Ile Tyr Gly
1 5 10 15

Gln

<210> 2821
<211> 25
<212> PRT
<213> Homo sapiens

<400> 2821
Lys Leu Ile Trp Gln Val Leu Leu Val Phe Leu Ile Ile Ile Ile Leu
1 5 10 15
Asn Pro Lys Tyr Ser Asn Phe Leu Asn
20 25

<210> 2822
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2822
Met Thr Gly Leu His Met Thr Leu Leu Ile Ser Phe Ile Tyr Val Ser
1 5 10 15

Thr Phe

<210> 2823
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2823
Met Gly Phe Ile Gly Leu Met Val Ala Met Ile Phe Ile Met Leu Phe
1 5 10 15
Gly Ser Trp Asp His Lys Asn Val Cys Leu Phe Leu Glu Tyr Leu Gly
20 25 30
Ser Leu Lys Arg Lys Gly Ile Lys Lys Pro Leu His Leu
35 40 45

<210> 2824

<211> 7
<212> PRT
<213> Homo sapiens

<400> 2824
Met Thr Thr Leu Gln Gly Gly
1 5

<210> 2825
<211> 14
<212> PRT
<213> Homo sapiens

<400> 2825
Lys Pro Leu Phe Leu His Leu Pro Leu Leu Thr Leu Gln Ala
1 5 10

<210> 2826
<211> 59
<212> PRT
<213> Homo sapiens

<400> 2826
Met Gly Leu Ser Val Leu Leu Pro Leu Cys Leu Leu Gly Pro Gly Arg
1 5 10 15
Phe Thr Ser Gly Gln Lys Pro Leu Asp Thr Pro Gly Leu Gly Ala Ala
20 25 30
Val Leu Ser Val Arg Lys Ala Gly Leu Lys Met Arg Ser His Leu Thr
35 40 45
Pro Ser Val Cys Thr Val Pro Ser Pro Gly Ser
50 55

<210> 2827
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2827
Met Leu Thr Ser Leu Ile Cys Tyr Ala Ile Pro Cys Lys Phe Leu Asn
1 5 10 15
Phe Ala Val Pro Trp Phe Cys Xaa Ile Thr Pro Gly Ser Val Thr Met
20 25 30
Ala Thr

<210> 2828
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2828
Met Leu Thr Ser Leu Ile Cys Tyr Ala Ile Pro Cys Lys Phe Leu Asn
1 5 10 15
Phe Ala Val Pro Trp Phe Cys Xaa Ile Thr Pro Gly Ser Val Thr Met
20 25 30

Ala Thr

<210> 2829
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2829
Met Arg Met Ile Ile Ile Ser Tyr Ile Lys Ile Cys Gly Arg Phe Thr
1 5 10 15
Val Met Ile Thr Leu Leu Val Pro Thr Leu Ser Leu Asn Leu His Asp
20 25 30
Pro Val Ala Ser Lys Asn
35

<210> 2830
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2830
Met Gly Asn Leu Tyr Pro Lys Leu Gly Leu Lys Ile Ile Phe Ile Phe
1 5 10 15
Val Phe Gln Gln Thr Trp Val Leu Cys Pro Ala Met Asp Gln Lys
20 25 30

<210> 2831
<211> 77
<212> PRT
<213> Homo sapiens

<400> 2831

Val Thr Gln Ser Lys Trp Leu Ile Phe Tyr Ile Val Val Tyr Phe Val
1 5 10 15

Leu Pro Ser Ser Leu Arg Asn Lys Ala Arg Ile Phe Ser Leu Phe Asp
20 25 30

Ile Tyr Ser Glu Thr Lys Gly Leu Leu Asp Leu Met Ile Phe Leu Gln
35 40 45

Leu Ser Glu Gly Ala Phe Ser Thr Ile Gln Val Ile Leu Ile His Thr
50 55 60

Lys Val Glu Asn His Cys Thr Arg Ser Leu Cys Val Phe
65 70 75

<210> 2832
<211> 13
<212> PRT
<213> Homo sapiens

<400> 2832
Met Leu Ser Val Ala Thr Asn Arg Ile Tyr Asn Ser Asn
1 5 10

<210> 2833
<211> 67
<212> PRT
<213> Homo sapiens

<400> 2833
Met Phe Asn Trp Asn Leu Trp Leu Thr Thr Leu Ile Thr Gly Leu Ala
1 5 10 15

Gly Pro Leu Leu Leu Leu Leu Gly Leu Val Phe Gly Pro Cys Ile
20 25 30

Leu Asn Trp Phe Leu Lys Phe Ile Lys Gln Phe Ile Ala Ser Val Lys
35 40 45

Leu Thr Tyr Leu Lys Thr Gln Tyr Asn Ser Leu Val Val Thr Glu Glu
50 55 60

Ser Met Ile
65

<210> 2834
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2834
Met Cys Glu Ser Phe Pro Glu Gly Phe Cys Pro Cys Phe His Met Ser
1 5 10 15

His Asn

<210> 2835
<211> 21
<212> PRT
<213> Homo sapiens

<400> 2835
Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
1 5 10 15
Gln Val Thr Cys Arg
20

<210> 2836
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2836
Met Phe Lys Val Arg Gly Phe Leu Ser Ile Cys Leu Val Phe Cys Trp
1 5 10 15
Xaa Gly His Met Gln Val Ile Gly Tyr Gly Lys Gly Lys Met Pro Arg
20 25 30
Leu Leu Leu Gly Trp Ser Pro Ser Pro Lys Phe Lys Pro Pro Glu
35 40 45

<210> 2837
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2837
Met Ser Leu Pro Leu Tyr Val Ser Leu Ser Asp Met Phe Tyr Ala Lys
1 5 10 15
Leu Ser Asp Phe Lys Phe Lys Ile Ser Glu Ile Lys Cys Pro Ser Leu
20 25 30
His Ile Val
35

<210> 2838
<211> 19
<212> PRT
<213> Homo sapiens

<400> 2838
Met Leu Val Leu Val Val Phe Cys Trp Ala Val Leu Val Tyr Phe His
1 5 10 15

Pro Ser Leu

<210> 2839
<211> 29
<212> PRT
<213> Homo sapiens

<400> 2839
Met Met Cys Phe Leu Phe Leu Asn Glu Ile Cys Leu Ala Ser Cys Met
1 5 10 15

Glu Asn Glu Phe Cys Trp Ser Ile Val Glu Thr Glu Thr
20 25

<210> 2840
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2840
Met Lys Met Leu Ile Cys Ser Leu Thr Leu Leu Val Cys Leu Ser Pro
1 5 10 15

Arg Val Gly Arg Arg Ser Arg Tyr Tyr His Ser Lys Gly Thr Glu Ser
20 25 30

Val Ser Thr Leu
35

<210> 2841
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2841
Met Asn Met Ile Cys Leu Ser Tyr Arg Leu Ala Leu Thr Cys Phe Phe
1 5 10 15

Phe Gln

<210> 2842
<211> 348
<212> PRT
<213> Homo sapiens

<400> 2842

Gly Thr Leu Leu Gly Lys Ala Leu Ala Ala Val Ser Leu Ser Leu Ala
1 5 10 15

Leu Ala Ser Val Thr Ile Arg Ser Ser Arg Cys Arg Gly Ile Gln Ala
20 25 30

Phe Arg Asn Ser Phe Ser Ser Trp Phe His Leu Asn Thr Asn Val
35 40 45

Met Ser Gly Ser Asn Gly Ser Lys Glu Asn Ser His Asn Lys Ala Arg
50 55 60

Thr Ser Pro Tyr Pro Gly Ser Lys Val Glu Arg Ser Gln Val Pro Asn
65 70 75 80

Glu Lys Val Gly Trp Leu Val Glu Trp Gln Asp Tyr Lys Pro Val Glu
85 90 95

Tyr Thr Ala Val Ser Val Leu Ala Gly Pro Arg Trp Ala Asp Pro Gln
100 105 110

Ile Ser Glu Ser Asn Phe Ser Pro Lys Phe Asn Glu Lys Asp Gly His
115 120 125

Val Glu Arg Lys Ser Lys Asn Gly Leu Tyr Glu Ile Glu Asn Gly Arg
130 135 140

Pro Arg Asn Pro Ala Gly Arg Thr Gly Leu Val Gly Arg Gly Leu Leu
145 150 155 160

Gly Arg Trp Gly Pro Asn His Ala Ala Asp Pro Ile Ile Thr Arg Trp
165 170 175

Lys Arg Asp Ser Ser Gly Asn Lys Ile Met His Pro Val Ser Gly Lys
180 185 190

His Ile Leu Gln Phe Val Ala Ile Lys Arg Lys Asp Cys Gly Glu Trp
195 200 205

Ala Ile Pro Gly Gly Met Val Asp Pro Gly Glu Lys Ile Ser Ala Thr
210 215 220

Leu Lys Arg Glu Phe Gly Glu Glu Ala Leu Asn Ser Leu Gln Lys Thr
225 230 235 240

Ser Ala Glu Lys Arg Glu Ile Glu Glu Lys Leu His Lys Leu Phe Ser
245 250 255

Gln Asp His Leu Val Ile Tyr Lys Gly Tyr Val Asp Asp Pro Arg Asn
260 265 270

Thr Asp Asn Ala Trp Met Glu Thr Glu Ala Val Asn Tyr His Asp Glu
275 280 285

Thr Gly Glu Ile Met Asp Asn Leu Met Leu Glu Ala Gly Asp Asp Ala
290 295 300

Gly Lys Val Lys Trp Val Asp Ile Asn Asp Lys Leu Lys Leu Tyr Ala
305 310 315 320

Ser His Ser Gln Phe Ile Lys Leu Val Ala Glu Lys Arg Asp Ala His

325

330

335

Trp Ser Glu Asp Ser Glu Ala Asp Cys His Ala Leu
340 345

<210> 2843
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2843
Met Thr Ile Thr Leu Val Ala Phe His Leu Ile Leu Pro Ser Phe Ile
1 5 10 15
Ile Trp Phe Thr Trp Ile Cys His Pro Ile Asn Ser Glu Val Tyr Gln
20 25 30
Gln Asn

<210> 2844
<211> 29
<212> PRT
<213> Homo sapiens

<400> 2844
Phe Phe Phe Phe Gly Phe Phe Val Phe Phe Lys His Gln Ser Ala Leu
1 5 10 15
Ser Glu Cys Arg Val Leu Ile Gly Gly Met Met Met Val
20 25

<210> 2845
<211> 58
<212> PRT
<213> Homo sapiens

<400> 2845
Met Gln Gly Pro Gly Leu Ser Ala Ala Gly Gly Cys Leu Trp Ala Trp
1 5 10 15
Leu Ser Leu Gly Thr Pro Phe Leu Ser Val Ala Thr Leu Ala Val Ser
20 25 30
Gly Ala Ala Leu Asp Asn Phe Gly His Arg Asn Ser Gly Gly Phe
35 40 45
Trp Ser Ser Glu Val Ala Thr Gln Gln Val
50 55

<210> 2846
<211> 82
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2846

Cys Ser Xaa Ser Tyr Leu Trp Gln Val Asp Tyr Ile Gly Pro Leu His
1 5 10 15

Tyr Gly Arg Asp Arg Ile Xaa Ser Tyr Trp Asn Ile Leu Thr Gln Asp
20 25 30

Met Asp Leu Pro Phe Leu His Ala Ile Leu Leu Pro Arg Val Pro Ser
35 40 45

Met Asp Leu Gln Asn Cys Leu Val Asp Cys His Gly Ile Thr His Ser
50 55 60

Ile Ala Phe Asp Gln Gly Thr Xaa Ser Thr Asp Arg Asn Ala Ala Met
65 70 75 80

His Ser

<210> 2847

<211> 123

<212> PRT

<213> Homo sapiens

<400> 2847

Val Ala Arg Leu His Arg Leu Leu His Thr Phe Leu Leu Thr Phe Cys
1 5 10 15

Cys Leu Leu Met Ala Glu Glu Ala Ala Val Phe Ala Lys Tyr Leu Ala
20 25 30

His Gly Leu Pro Ala Gly Ala Pro Leu Arg Leu Val Phe Leu Leu Asn
35 40 45

Val Leu Leu Leu Gly Leu Trp Asn Phe Cys Cys Ser Val Pro Ser Ser
50 55 60

Ile Ser Thr Ser Thr Leu Thr Arg Trp Trp Ala Pro Gln Trp Ala Pro
65 70 75 80

Leu Pro Gly Thr Ser Pro Met Ala Ala Gly Ile Ile Ser Pro Gly Leu
85 90 95

Gln Gly Ala Gln Ala Met Gly Ser Ser Pro Val Pro Thr Pro Ala Ala
100 105 110

Ser Ile Thr Glu Arg Asn Lys Asn His Arg Ala
115 120

<210> 2848
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2848
Met Ser Pro Trp Asp Leu Pro Arg Arg Gly Leu Leu Leu Val Leu
1 5 10 15

Pro Phe Leu Leu Ser Pro Arg Pro Leu Val Tyr Leu Leu Leu Pro Ala
20 25 30

Leu Pro Gln Leu Gln Xaa Leu Gln Ala His Gln Gln Thr Val Leu Ser
35 40 45

Ser Pro Leu Lys Leu Gln Thr Lys Pro Thr Leu Gln Ala Lys Leu His
50 55 60

Leu Gly Leu Glu Met Val Ile Ser
65 70

<210> 2849
<211> 13
<212> PRT
<213> Homo sapiens

<400> 2849
Tyr Thr His Thr Tyr Ala His Met Leu Trp Val Leu Pro
1 5 10

<210> 2850
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2850
Met Leu Ile Arg Val Ile Ile Phe Lys Ser Phe Ser Gln Ser Cys Ile
1 5 10 15

Ser Ile Leu Ala Leu Ser Lys Leu Val Glu Leu Phe Ser Val Leu Leu
20 25 30

Asp Ile Leu His Ser

<210> 2851
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2851
Met Asp Ile Lys Ile Leu Pro Met Cys Phe Val Phe Tyr Cys Cys Ser
1 5 10 15
Ile Cys Tyr Cys Thr Cys Asp Gly Thr Cys Ala Tyr Ile Ala Leu Lys
20 25 30
Gln Ile Ser Arg Ser
35

<210> 2852
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2852
Met Tyr Leu Phe Ile Leu Leu Tyr Leu Cys Phe Tyr Phe Ser Ser Ser
1 5 10 15
Glu Asn Gly Phe Leu Val Ser Glu Val Tyr Leu Tyr Leu Lys Phe
20 25 30

<210> 2853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2853
Met Trp Pro Leu Leu Phe Ala Ile Cys Val Ser Val Ala Tyr Gly Leu
1 5 10 15
Ser Cys Ile Arg
20

<210> 2854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2854
Gly Lys Cys Leu Ile Asn Leu Val Ile Gly Trp Val Lys Tyr Met Gly
1 5 10 15
Glu Phe Tyr Met
20

<210> 2855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2855
Gly Lys Cys Leu Ile Asn Leu Val Ile Gly Trp Val Lys Tyr Met Gly
1 5 10 15

Glu Phe Tyr Met
20

<210> 2856
<211> 82
<212> PRT
<213> Homo sapiens

<400> 2856
Met Ser Cys Ser His Thr Cys Leu Tyr Leu Lys Pro Ser Val Cys Pro
1 5 10 15

Val Val Trp Gly Glu Val Met Asp Ser Ala Arg Trp Thr Cys Cys Gly
20 25 30

Trp Met Phe Pro Ala Cys Ala Gly Pro Glu Trp Thr Gly Ala Thr Ser
35 40 45

Gln His Val Arg Glu Asn His Cys His Thr Ile Pro Met Asp Phe Val
50 55 60

Leu Phe Leu Lys Lys Lys Phe Phe Ser Val Asn Met Asn Phe Phe
65 70 75 80

Ser Met

<210> 2857
<211> 156
<212> PRT
<213> Homo sapiens

<400> 2857
Met Leu Thr Asp Met Met Lys Gly Asn Val Thr Asn Val Leu Pro Met
1 5 10 15

Ile Leu Ile Gly Gly Trp Ile Asn Met Thr Phe Ser Gly Phe Val Thr
20 25 30

Thr Lys Val Pro Phe Pro Leu Thr Leu Arg Phe Lys Pro Met Leu Gln
35 40 45

Gln Gly Ile Glu Leu Leu Thr Leu Asp Ala Ser Trp Val Ser Ser Ala
50 55 60

Ser Trp Tyr Phe Leu Asn Val Phe Gly Leu Arg Ser Ile Tyr Ser Leu

65 70 75 80

Ile Leu Gly Gln Asp Asn Ala Ala Asp Gln Ser Arg Met Met Gln Glu
85 90 95

Gln Met Thr Gly Ala Ala Met Ala Met Pro Ala Asp Thr Asn Lys Ala
100 105 110

Phe Lys Thr Glu Trp Glu Ala Leu Glu Leu Thr Asp His Gln Trp Ala
115 120 125

Leu Asp Asp Val Glu Glu Glu Leu Met Ala Lys Asp Leu His Phe Glu
130 135 140

Gly Met Phe Lys Lys Glu Leu Gln Thr Ser Ile Phe
145 150 155

<210> 2858

<211> 31

<212> PRT

<213> Homo sapiens

<400> 2858

Met Gln Ser Leu Val Glu Asn Phe Leu Gly Leu Cys Leu Leu Cys Asn
1 5 10 15

Tyr Leu Asn Met Ile Trp Gln Lys Leu Ala Cys Ile Gln Val Lys
20 25 30

<210> 2859

<211> 17

<212> PRT

<213> Homo sapiens

<400> 2859

Met Ile Leu Val Gly Leu Trp Leu Ile Gln Trp Leu Leu Leu Lys Tyr
1 5 10 15

Lys

<210> 2860

<211> 4

<212> PRT

<213> Homo sapiens

<400> 2860

Met Arg Ser Glu
1

<210> 2861

<211> 126

<212> PRT

<213> Homo sapiens

<400> 2861

Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp Asn Met Leu Gly Pro
1 5 10 15

Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met Trp Ala Tyr Arg Cys
20 25 30

Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp Gln Arg Trp Ala Phe
35 40 45

Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val Gly Ile Ala Ile Tyr
50 55 60

Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr Thr His Ser Ile Trp
65 70 75 80

His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu Leu Pro Pro Pro Asp
85 90 95

Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys Phe Pro Cys His Tyr
100 105 110

Gln Ile Cys Lys Asn Asp Arg Glu Glu Leu Tyr Ala Val Thr
115 120 125

<210> 2862

<211> 39

<212> PRT

<213> Homo sapiens

<400> 2862

Met Phe Ser Phe Tyr Ser His Asn Pro Leu Lys Pro Cys Leu Val Leu
1 5 10 15

Leu Leu Phe Ala Ser Ala Val Gln Asp Val Ala Pro Phe Leu Leu Phe
20 25 30

Glu His Gly Leu Val Thr Arg
35

<210> 2863

<211> 24

<212> PRT

<213> Homo sapiens

<400> 2863

Met Cys Asn Leu Tyr Leu Ile Leu Tyr Phe Val Ile His Thr Asn Met
1 5 10 15

Ser Arg His Cys Asp Ile Cys Leu
20

<210> 2864

<211> 23
<212> PRT
<213> Homo sapiens

<400> 2864
Met Pro Ser Leu His Thr Phe Phe Leu Leu Leu Pro Phe Val Phe Met
1 5 10 15
Pro Val Ala Phe Thr Leu His
20

<210> 2865
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2865
Met Ala Lys Cys Ile Thr Ile Thr Leu Phe Thr Val Ile Xaa Phe Ala
1 5 10 15
Glu Asn Ile Ser Xaa Ser Trp Asn Cys Glu Ile Lys Leu Lys Ile Leu
20 25 30
Leu Val Lys Met Thr Asn
35

<210> 2866
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2866
Met Ala Lys Cys Ile Thr Ile Thr Leu Phe Thr Val Ile Cys Phe Ala
1 5 10 15
Glu Asn Ile Ser Ser Trp Asn Cys Glu Ile Lys Leu Lys Ile Leu
20 25 30
Leu Val Lys Met Thr Asn
35

<210> 2867
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2867
Cys Leu Leu Leu Ser Lys Leu Leu His Leu Gln Pro Leu Ala Val Ala
1 5 10 15

Asp Ser

<210> 2868
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2868
Met Phe Cys Thr Leu Trp Ile Gly Ile Leu Val Arg Lys Ser Ile Ala
1 5 10 15
Ser Arg Lys Arg Leu Met Ser Gln Leu Ala Gly Glu Thr Val Pro Ser
20 25 30
Phe Trp Val Ala Val Leu Val Lys
35 40

<210> 2869
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2869
Met Val Ile Leu Leu Ala His Pro Cys Ile His Gln Pro Gly Ile Ser
1 5 10 15
Leu Asn Leu Phe Ala Ser Glu Phe Leu Leu Thr Phe Gln Tyr Ile Gly
20 25 30
Ile Ile Asp
35

<210> 2870
<211> 11
<212> PRT
<213> Homo sapiens

<400> 2870
Met Tyr Phe Ser Ile Glu Gly Gly Val Phe Gln
1 5 10

<210> 2871
<211> 24
<212> PRT
<213> Homo sapiens

<400> 2871

Val Cys Val Thr Val Ser Asn Pro Ile Ser Cys Leu Ser Val Ala Pro
1 5 10 15

Ser His Leu Leu Asp Gln Ala Ala
20

<210> 2872
<211> 26
<212> PRT
<213> Homo sapiens

<400> 2872
Met Ser Thr Ile Met Phe Ser Leu Trp Thr Ile Cys Val Gly Leu Pro
1 5 10 15

Pro Ala Arg Ser Leu Leu Tyr Pro His Gln
20 25

<210> 2873
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2873
Met Gln Ile Leu His Trp Gln Trp Leu Leu Cys Val Lys Tyr Phe Pro
1 5 10 15
Phe Gly Leu Ile Phe Ile His Ile Val Ser Leu Asn Lys Gly Glu Thr
20 25 30

Thr Tyr Arg Arg Asn
35

<210> 2874
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2874
Met Thr Leu Ala Phe Val Val Leu Ala Leu Trp Pro Asn Gly Arg Xaa
1 5 10 15
His Val Leu Val His Met Cys Trp Leu Leu Phe Leu Lys Ser Trp Gln
20 25 30

Cys Gln His Met Gly Gly Ile
35

<210> 2875
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2875

Leu
1

<210> 2876
<211> 148
<212> PRT
<213> Homo sapiens

<400> 2876

Met Ser Pro Arg Trp Ala Leu Val Thr Leu Leu Gly Phe Ser His Arg
1 5 10 15

Lys Gln Arg Cys Leu Pro Leu Pro Leu Leu His Ile Leu Pro Leu Pro
20 25 30

Ser Arg Ala Gly Phe Trp Val His Leu Ser Thr Gly Arg Cys Ser Gln
35 40 45

Gly Val Gly Ala Gly Gly Val Cys Gly Gln Val Leu Gly Gly Thr
50 55 60

Arg Lys Ser Arg Gly Val Ala His Ala Asp Gln Ala His Val Ala His
65 70 75 80

Gly Ala Glu Leu Pro Arg Thr Ala His Asp Ser Ala Thr Phe Ser Pro
85 90 95

Phe Gln Pro Arg Arg Asp Val Thr Leu Glu Leu Leu Trp His Phe Cys
100 105 110

Gln Ala Ser Pro Ala Pro Ile Ala Leu Arg Ser Leu Leu Phe Val Arg
115 120 125

Asp Leu Gln Arg Leu Thr Phe Leu Leu Phe Ser His His Ser Ile Val
130 135 140

Ile Leu Arg Asn
145

<210> 2877
<211> 7
<212> PRT
<213> Homo sapiens

<400> 2877

Met His Leu Val Thr Val Cys
1 5

<210> 2878

<211> 10
<212> PRT
<213> Homo sapiens

<400> 2878
Met Ser Leu Cys Gly Ser Arg Asp Leu Cys
1 5 10

<210> 2879
<211> 8
<212> PRT
<213> Homo sapiens

<400> 2879
Met Trp Ile Leu Leu Tyr Leu Ile
1 5

<210> 2880
<211> 15
<212> PRT
<213> Homo sapiens

<400> 2880
Met Met Phe Leu Leu Ile Phe Val Trp Tyr Leu Gln Pro Tyr Pro
1 5 10 15

<210> 2881
<211> 18
<212> PRT
<213> Homo sapiens

<400> 2881
Met Gln Leu Trp Leu Lys Ser Gly Leu Leu Leu Ser Phe Ile Leu Ile
1 5 10 15

Leu Pro

<210> 2882
<211> 7
<212> PRT
<213> Homo sapiens

<400> 2882
Leu Gly Phe Leu Leu Leu Thr
1 5

<210> 2883
<211> 77
<212> PRT
<213> Homo sapiens

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<210> 2884
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2884
Met Ser Leu Ser Leu Ile Tyr Phe Ser Val Ser Phe Thr Thr Phe Gly
   1           5           10          15
Val Lys Ser Ser His Asp Leu Tyr Ile Pro Arg Leu Leu Leu Lys
   20          25          30
Ile Leu Tyr Ile Leu
   35

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<210> 2885
<211> 62
<212> PRT
<213> Homo sapiens

<400> 2885
Arg Gly Arg Gly Arg Leu Leu Gly Leu Ser Ser Phe Leu Cys Ile Ile
 1           5           10          15

Leu Gly Leu Ala Trp Thr Ala Pro Ala Ser Glu Ser Cys Gly Pro His
 20          25          30

Pro Leu Ala Ala Glu Pro Ser Thr Val Ile Leu Gly Ala Ile Phe Pro
 35          40          45

Cys Arg Thr Gly Ser Leu Ser Pro Ala Pro Thr Phe Gly Leu
 50          55          60

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<210> 2886
<211> 62
<212> PRT
<213> *Homo sapiens*

<400> 2886
Arg Gly Arg Gly Arg Leu Leu Gly Leu Ser Ser Phe Leu Cys Ile Ile
1 5 10 15
Leu Gly Leu Ala Trp Thr Ala Pro Ala Ser Glu Ser Cys Gly Pro His
20 25 30
Pro Leu Ala Ala Glu Pro Ser Thr Val Ile Leu Gly Ala Ile Phe Pro
35 40 45
Cys Arg Thr Gly Ser Leu Ser Pro Ala Pro Thr Phe Gly Leu
50 55 60

<210> 2887
<211> 42
<212> PRT
<213> Homo sapiens

<400> 2887
Met Ala Ala Pro Ser Phe Leu Thr Ser Phe Leu Leu Pro Ser Ser Leu
1 5 10 15
Pro Gln Val Leu Ser Arg Glu Thr Pro Phe Pro Ala Ile Ser Ser Gly
20 25 30
Arg Leu Gly Arg Cys Trp Ala Asp Thr Ser
35 40

<210> 2888
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2888
Met Val Ala Val Trp Trp Phe Ser Leu Val Met Leu Phe Glu Ser Phe
1 5 10 15
Leu Leu Cys Val Ser Ala Leu Pro Val Ser Phe Ile Phe Ser Tyr Ile
20 25 30
Phe Met Met Val Asp Ile Val Leu Leu Leu Pro Asn Val Xaa Leu Pro
35 40 45

<210> 2889
<211> 11
<212> PRT
<213> Homo sapiens

<400> 2889
Met Leu Leu Gly Ile Ser Ala Val Gly Leu Phe
1 5 10

<210> 2890
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2890
Gly Ile Leu Leu Val Gln Thr Tyr Leu Gly Cys Cys Trp Gly Arg His
1 5 10 15

Leu Gly Phe Ser Val Ser Cys Ile His Arg Gly Arg Pro Phe Gln Ile
20 25 30

Gln Glu His Trp Ile Arg Glu Ser
35 40

<210> 2891
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2891
Met Pro Ser Pro Leu Leu Ser Ser Val Asn Thr Asn Thr Phe Pro Thr
1 5 10 15

Pro Leu Cys Ser Arg Arg Pro Val Ala Gly Arg Phe Ser Val Pro Val
20 25 30

Val Trp Ile Leu
35

<210> 2892
<211> 28
<212> PRT
<213> Homo sapiens

<400> 2892
Met Asn Asp Pro Pro Thr Ala Pro His Gly Leu Phe Leu Phe Leu Trp
1 5 10 15

Leu Phe Ser Leu Arg Ser Gly Gly Phe Thr Arg Ile
20 25

<210> 2893
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2893

Val Tyr Val His Thr Leu Cys Phe Val Cys Val Trp Phe Gly Ala Ala
1 5 10 15

Cys Val Cys Val Cys Val Cys Asp Ile Cys Tyr Ala Cys Val
20 25 30

Cys Gln Cys Val Leu Gly Val Pro Ala Pro Leu Ser Trp Arg
35 40 45

<210> 2894

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2894

Met Gly Ser Ala Leu Gly Leu Ala Gly Ile Ser Gly Ser Leu Gly Ser
1 5 10 15

Gly Ala Arg Leu Arg Trp Ala Arg Ser Arg Thr Gln Gly Ala Gly Leu
20 25 30

Trp Gly Val Leu Ala Ala Gly Ala Val Ser Gly Glu Ser Gln Ser Cys
35 40 45

Arg Ala Xaa Lys Glu Arg Glu Gly Ala Val Xaa Ala Met Pro Pro Val
50 55 60

Gly Gln Gln Xaa Asn Arg Gln Ala Leu Pro Ala His Pro Pro Thr His
65 70 75 80

Leu Gly Val His Pro Pro His Trp Ala Trp Pro Arg Gln Val Ser Leu
85 90 95

Pro Gly Pro Gly Pro Ala Gln Pro Ala Ser Leu Phe Leu Leu Pro Pro
100 105 110

His Ser Pro Gly Thr Gly Leu
115

<210> 2895

<211> 65

<212> PRT

<213> Homo sapiens

<400> 2895

Met Trp Gly Arg Arg Gln Cys Ala Leu Trp Met Val Phe Thr Ser Thr
1 5 10 15

Ala His Thr Thr Leu Gly Ser Arg Pro Ser Thr Lys Gln Glu Ser Ala
20 25 30

Arg Thr Ala Arg Pro Trp Ser Ser Lys Arg Leu Arg Trp Pro Gly Leu
35 40 45

Leu Ser Thr Leu Ala Arg Arg Thr Arg Thr Ser Ser Ser Pro Met Thr
50 55 60

Thr
65

<210> 2896

<211> 4

<212> PRT

<213> Homo sapiens

<400> 2896

Met Phe Leu Ile
1

<210> 2897

<211> 17

<212> PRT

<213> Homo sapiens

<400> 2897

Met Phe Leu Phe Cys Ile Phe Ser Ser Pro Ser Pro Leu Thr Gln Arg
1 5 10 15

Ile

<210> 2898

<211> 37

<212> PRT

<213> Homo sapiens

<400> 2898

Met Leu Ile Gly Leu Leu Ser Leu Ala Pro Asp Ser Ala Cys Ser Trp
1 5 10 15

Leu Pro Val Leu Thr Asp His Ile Cys His Cys His Arg Ile Ser Ser
20 25 30

Ala Ser Ala Ser Ala
35

<210> 2899
<211> 55
<212> PRT
<213> Homo sapiens

<400> 2899
Met Ala Gly Thr Arg Pro Thr Gly Lys Arg Cys Trp Ser Ile Trp Val
1 5 10 15

Thr Leu Leu Ile Thr Arg Cys Pro Phe Asp Leu Ala Gly Pro Ala Ser
20 25 30

Leu Leu Met Arg Ser Leu Cys Trp Pro Pro Cys Ser Thr Arg Ser Leu
35 40 45

Pro Ser Val Pro Ala Val Ser
50 55

<210> 2900
<211> 33
<212> PRT
<213> Homo sapiens

<400> 2900
Met Ala Arg Gly Gly Thr Trp Trp Ser Leu Leu Ser Phe Trp Thr Trp
1 5 10 15

Gly Cys Gln Thr Arg Ala His Pro His Thr Arg Pro Gly Pro Leu Arg
20 25 30

Pro

<210> 2901
<211> 8
<212> PRT
<213> Homo sapiens

<400> 2901
Met His Tyr Leu Gln Thr Gly Gly
1 5

<210> 2902
<211> 8
<212> PRT
<213> Homo sapiens

<400> 2902
Met His Tyr Leu Gln Thr Gly Gly
1 5

<210> 2903

<211> 24
<212> PRT
<213> Homo sapiens

<400> 2903
Met Val Ser His Gly Cys His Val Pro Leu Phe Ala Leu Phe Met Val
1 5 10 15

Leu Pro Ser Ser Gln Gly Leu Pro
20

<210> 2904
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2904
Met Pro Leu Phe Gly Gly Asn Leu Gly Tyr Ala Trp Ala Trp Phe Thr
1 5 10 15

Pro Ile Thr Trp Val Ala Val Leu Ala His Leu Ile Val Ser Ser Ile
20 25 30

His Pro Gly Lys
35

<210> 2905
<211> 41
<212> PRT
<213> Homo sapiens

<400> 2905
Met Ala Arg Val Ser Ala Arg Trp Arg Ser Leu Leu Ala Trp Trp Val
1 5 10 15

Ser Ser Cys Pro Ile Ser Leu Glu Gly Arg Ala Gly Ser His Glu His
20 25 30

Gly Glu Tyr Pro Trp Met Leu His Ser
35 40

<210> 2906
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2906
Phe Leu Phe Trp Gly Val Met Lys Ile Leu Gly Cys Ala Pro Ile Phe
1 5 10 15

Ser Phe Leu Arg Leu Ser Leu Ile Xaa Asp Arg His Leu Gly Val Val
20 25 30

Phe

<210> 2907
<211> 123
<212> PRT
<213> Homo sapiens

<400> 2907
Met Ala Phe Leu Ser Phe Cys Cys Cys Ala Phe Ala Leu Tyr Tyr Trp
1 5 10 15

Ser Ser Ala Phe Ser Leu Ser Ile Val Phe Phe Phe Leu Tyr Arg Ile
20 25 30

Tyr Thr Pro Lys Phe Phe His Leu Ala Ser Ser His Asn Leu Thr Ser
35 40 45

Pro Ser Gly Ser Cys Pro Val Phe Leu Leu Leu Phe Ile Leu Ser Leu
50 55 60

Lys Gly Arg Val Tyr Ser His Tyr Leu His Phe Ser Thr Cys His Leu
65 70 75 80

Ala Phe His Pro Leu Gln Pro Glu Phe Asp Pro Gln Asn Ser Thr Glu
85 90 95

Thr Thr Leu Ser Lys Ala Thr Asn Tyr Cys Leu Ile Val Lys Val Asn
100 105 110

Gly Leu Phe Phe Ile Phe Ile Ile Tyr Gly Ile
115 120

<210> 2908
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2908
Met Asn Ile Val Trp Phe Val Met Ser His Met Cys Phe Lys Met Ala
1 5 10 15

Leu Cys Leu Gly Leu Pro Tyr Val Asn Gly Ser Cys Val Cys Leu Leu
20 25 30

Phe Lys Pro Trp Glu
35

<210> 2909
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2909
Met Phe Leu Asp Phe Leu Phe Cys Pro Val Gly Leu Phe Val Ser Leu
1 5 10 15

<210> 2910
<211> 182
<212> PRT
<213> Homo sapiens

<400> 2910
Met Thr Leu Ala Ala Tyr Lys Glu Lys Met Lys Glu Leu Pro Leu Val
1 5 10 15

Ser Leu Phe Cys Ser Cys Phe Leu Ala Asp Pro Leu Asn Lys Ser Ser
20 25 30

Tyr Lys Tyr Glu Ala Asp Thr Val Asp Leu Asn Trp Cys Val Ile Ser
35 40 45

Asp Met Glu Val Ile Glu Leu Asn Lys Cys Thr Ser Gly Gln Ser Phe
50 55 60

Glu Val Ile Leu Lys Pro Pro Ser Phe Asp Gly Val Pro Glu Phe Asn
65 70 75 80

Ala Ser Leu Pro Arg Arg Asp Pro Ser Leu Glu Glu Ile Gln Lys
85 90 95

Lys Leu Glu Ala Ala Glu Glu Arg Arg Lys Tyr Gln Glu Ala Glu Leu
100 105 110

Leu Lys His Leu Ala Glu Lys Arg Glu His Glu Arg Glu Val Ile Gln
115 120 125

Lys Ala Ile Glu Glu Thr Thr Ser Ser Arg Trp Leu Arg Lys Asn
130 135 140

Trp Pro Arg Arg Trp Asn Pro Thr Arg Arg Thr Gly Arg Pro Thr Ser
145 150 155 160

Pro Pro Cys Trp Asn Gly Cys Lys Arg Arg Thr Ser Thr Pro Arg Arg
165 170 175

Cys Gly Lys Thr Arg Ser
180

<210> 2911
<211> 120
<212> PRT
<213> Homo sapiens

<400> 2911
Ala Thr Ala Leu Pro Ser Met Ser Ser Thr Phe Trp Ala Phe Met Ile

1

5

10

15

Leu Ala Ser Leu Leu Ile Ala Tyr Cys Ser Gln Leu Ala Ala Gly Thr
20 25 30

Cys Glu Ile Val Thr Leu Asp Arg Asp Ser Ser Gln Pro Arg Arg Thr
35 40 45

Ile Ala Arg Gln Thr Ala Arg Cys Ala Cys Arg Lys Gly Gln Ile Ala
50 55 60

Gly Thr Thr Arg Ala Arg Pro Ala Cys Val Asp Ala Arg Ile Ile Lys
65 70 75 80

Thr Lys Gln Trp Cys Asp Met Leu Pro Cys Leu Glu Gly Glu Gly Cys
85 90 95

Asp Leu Leu Ile Asn Arg Ser Gly Trp Thr Cys Thr Gln Pro Gly Gly
100 105 110

Arg Ile Lys Thr Thr Thr Val Ser
115 120

<210> 2912

<211> 36

<212> PRT

<213> Homo sapiens

<400> 2912

Met Arg Asn Ala Leu His Ser Met Asn Ile Asn Phe His Leu Pro Phe
1 5 10 15

Phe Leu Val Phe Ile Leu Leu Phe Ile Leu Leu Leu Ile His Asp Ser
20 25 30

Tyr Thr Tyr Leu
35

<210> 2913

<211> 15

<212> PRT

<213> Homo sapiens

<400> 2913

Met Ile Ser Asp Thr Glu Pro Phe Phe Leu Trp Leu Leu Ala Ala
1 5 10 15

<210> 2914

<211> 48

<212> PRT

<213> Homo sapiens

<400> 2914

Gly Thr Pro Ser Leu Leu Pro Tyr Ser Cys Ser Arg Phe Ser Gly Leu
1 5 10 15

Asn Gln Val Asn Arg Gly Pro Glu Pro Pro Leu Cys Leu Leu Glu Ile
20 25 30

Pro Lys Thr Glu Met Cys Ser Arg Ser Arg Ser Lys Thr Leu Ser Leu
35 40 45

<210> 2915
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2915
Met Arg Ser Leu Gly Ser Thr Leu Val Ser Asp Thr Trp Asp Arg Gly
1 5 10 15

Ala Phe Ala Thr Leu Val Val Val Thr Pro Pro His Leu Pro Ala Ser
20 25 30

Phe Thr Asp Ser Lys
35

<210> 2916
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2916
Met Cys Lys Met Phe Asn Leu Pro Phe Leu Leu Leu Val Ser Val Ala
1 5 10 15

Leu Trp Cys Lys Gln Leu Lys Thr Leu Asn Val Tyr Thr Ile Arg Pro
20 25 30

Arg Arg Gln Met Lys Tyr Phe Phe
35 40

<210> 2917
<211> 36
<212> PRT
<213> Homo sapiens

<400> 2917
Met Thr Asn Leu Val Ile Ser Phe Thr Leu Arg Phe Ser Ser Phe Pro
1 5 10 15

Val Leu Pro Phe Cys Leu Leu Cys Asn Ile Ala Phe Gly Leu Asn
20 25 30

Asn Thr Phe Ser
35

<210> 2918
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2918
Met Thr Arg Pro Thr Ile Val Ser Ser Cys Leu Trp Ala Val Arg Gln
1 5 10 15
Leu Val Gly Thr Arg Ser Asn Pro Arg Phe Phe Leu Gln Tyr Ser Gly
20 25 30
Tyr Asn Leu Ser Trp Leu Leu
35

<210> 2919
<211> 182
<212> PRT
<213> Homo sapiens

<400> 2919
Met Ala Ala Leu Ala His Glu Ala Val Gly Thr Arg Asp Leu Leu Ala
1 5 10 15
Ala Gly Cys Cys Cys Leu Ala Arg Trp Gly Ser Met Glu Glu Leu Gly
20 25 30
Leu Pro Pro Arg Pro Ala Pro Ala Ala Arg Met Leu Gly Ser His Gly
35 40 45
Gly Thr Arg Pro Gly Ala Pro Ala Ser Pro Ser Gly Trp Cys Gly Gln
50 55 60
Leu Phe Pro Ala Ser Gln Cys Pro Gly Gly Ser Cys Leu Ala Asp Ser
65 70 75 80
Ala Trp Ser Pro Ala Gly Phe Arg Lys Thr Gln Leu His Val Trp Asp
85 90 95
Ser Ser Pro Ala Leu Gly Cys Gly Val Ser Val His Leu Arg Ala Gly
100 105 110
Gly Pro Thr His Arg Leu Pro Leu Gln Val His Pro Arg Ala Trp Ala
115 120 125
Arg Trp Ala Pro Gly Thr Trp Pro Ala Asp Ala Ala Thr Ser Asp Gln
130 135 140
Cys Cys Val Glu Glu Pro Arg Ala Ala Pro Gly Lys Pro Gly Phe Asn
145 150 155 160
Ser Thr Arg Lys Arg Asn Leu Leu Cys Phe Val Arg Ala Cys Ser Phe
165 170 175
Ser Ser Phe Leu Ser Leu
180

<210> 2920
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2920
Met Xaa Ala Leu Ala His Glu Ala Val Gly Thr Arg Asp Leu Leu Ala
1 5 10 15

Ala Gly Cys Cys Cys Leu Ala Arg Trp Gly Ser Met Glu Glu Leu Gly
20 25 30

Leu Pro Pro Arg Pro Ala Pro Ala Ala Arg Met Leu Gly Ser His Gly
35 40 45

Gly Thr Arg Pro Gly Ala Pro Ala Ser Pro Ser Gly Trp Cys Gly Gln
50 55 60

Leu Phe Pro Ala Ser Gln Cys Pro Gly Gly Ser Cys Leu Ala Asp Ser
65 70 75 80

Ala Trp Ser Pro Ala Gly Phe Arg Lys Thr Gln Leu His Val Trp Asp
85 90 95

Ser Ser Pro Ala Leu Gly Cys Gly Val Ser Val His Leu Arg Ala Gly
100 105 110

Gly Pro Thr His Arg Leu Pro Leu Gln Val His Pro Arg Ala Trp Gly
115 120 125

Pro Leu Gly Thr Trp His Leu Ala Cys Arg Cys Cys Tyr Glu
130 135 140

<210> 2921
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2921
Met Leu Arg Val Phe Phe Ser Leu Val Val Gly Thr Ser Thr Ala
1 5 10 15

Arg Thr Ile Ser Tyr Ser Ser Leu His Pro Trp His Met His Glu Asn
20 25 30

Ile Ser Thr
35

<210> 2922
<211> 57

<212> PRT
<213> Homo sapiens

<400> 2922
Met Tyr Trp Cys Thr Tyr Cys Met Glu Ala Trp Leu Ser Ser Gln Gln
1 5 10 15
Leu Val Leu His Arg Asn Met Arg Pro Cys Ile Phe Gln Met Phe Ser
20 25 30
Leu Ser Arg Leu Phe Thr Met Glu Ser Thr Thr Ser Cys Thr His Ser
35 40 45
Cys Cys Ser Ser Ala Met Ala Ser Pro
50 55

<210> 2923
<211> 27
<212> PRT
<213> Homo sapiens

<400> 2923
Met Pro Ala Ser Leu Arg Asn Pro Thr Val Leu His Met Leu Ser Asn
1 5 10 15
Thr Ile Phe Ser Tyr Pro Leu Ser Leu Pro Cys
20 25

<210> 2924
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2924
Gly Cys His His Leu Phe Leu Tyr Ile Phe Cys Asn Ile Leu Lys Leu
1 5 10 15
Leu Pro Ser Leu Ile Ile Ser Val Cys Val Cys Lys Asp Asn Gln
20 25 30
Ala Phe Lys Phe Ile Lys His Val
35 40

<210> 2925
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2925

Met His Leu Ala Leu Tyr Cys Phe Ala Ser Ser Gln Leu Ser Thr Ala
1 5 10 15

Leu Ser Leu Leu Tyr Arg Ala Arg Tyr Leu Met Leu Leu Val Phe Gly
20 25 30

Glu Asp His Pro Glu Met Ala Leu Leu Asp Asn Asn Ile Gly Leu Val
35 40 45

Leu His Gly Val Met Glu Tyr Asp Leu Ser Leu Arg Phe Leu Glu Asn
50 55 60

Ala Leu Ala Val Ser Thr Lys Tyr His Gly Pro Lys Ala Xaa Lys Val
65 70 75 80

Ala Leu Ser His His Leu Val Ala Arg Val Tyr Glu Ser Lys Ala Glu
85 90 95

Phe Arg Ser Ala Leu Gln His Glu Lys Glu Gly Tyr Thr Ile Tyr Lys
100 105 110

Thr Gln Leu Gly Glu Asp His Glu Lys Thr Lys Glu Ser Ser Glu Tyr
115 120 125

Leu Lys Cys Leu Thr Gln Gln Ala Val Ala Leu Gln Arg Thr Met Asn
130 135 140

Glu Ile Tyr Arg Asn Gly Ser Ser Ala Asn Ile Pro Pro Leu Lys Phe
145 150 155 160

Thr Ala Pro Ser Met Ala Ser Val Leu Glu Gln Leu Asn Val Ile Asn
165 170 175

Gly Ile Leu Phe Ile Pro Leu Ser Gln Lys Asp Leu Glu Asn Leu Lys
180 185 190

Ala Glu Val Ala Arg Arg His Gln Leu Gln Glu Ala Ser Arg Asn Arg
195 200 205

Asp Arg Ala Glu Glu Pro Met Ala Thr Glu Pro Ala Pro Xaa Gly Ala
210 215 220

Pro Gly Asp Leu Gly Ser Gln Pro Pro Ala Ala Lys Asp Pro Ser Pro
225 230 235 240

Ser Val Gln Gly

<210> 2926

<211> 48

<212> PRT

<213> Homo sapiens

<400> 2926

His Leu Gln His Cys Val Ser Cys Gly Cys Ala Val Thr Gly Ile Lys

1

5

10

15

Ser Ser Ala Phe Asn Ala Lys Gly Ser Glu Ile Phe Leu Lys Leu Ile
20 25 30

Ser Cys Pro Met Gln Val Phe Ser Thr Thr Cys Ile Thr Ser Thr Leu
35 40 45

<210> 2927
<211> 71
<212> PRT
<213> Homo sapiens

<400> 2927
Met Val Gln His Lys Thr Thr Phe Gln Val Leu Phe Leu Phe Gly Val
1 5 10 15

Ser Phe Gln Val Phe Lys Cys Ile Ser Gln Pro Glu His Leu Phe Asn
20 25 30

His Ile His Gly Ser Leu Leu Asn Ala Glu Leu Leu His Met Leu Asp
35 40 45

Leu Lys Ile Ile Ile Ile Glu Glu Thr Ile Gly Leu Val Val Pro Arg
50 55 60

Lys Val Ser Asp Val Tyr Val
65 70

<210> 2928
<211> 44
<212> PRT
<213> Homo sapiens

<400> 2928
Asp Leu Gln Ile Gln Trp Pro Ile Leu Leu Ser Leu Ser Cys Glu Gly
1 5 10 15

Val Phe Gln Val Leu Lys Gln Ser Lys Asn His Leu Gly Pro Ser Leu
20 25 30

Arg Lys His Phe Ser Gly Gln Val Gly Phe Arg Leu
35 40

<210> 2929
<211> 14
<212> PRT
<213> Homo sapiens

<400> 2929
Gly Phe Tyr Thr Phe Leu Pro Ser Leu Pro Gly Ala Leu Tyr
1 5 10

<210> 2930
<211> 139
<212> PRT
<213> Homo sapiens

<400> 2930
Met Lys Lys Ile Val Asp Gln Asn Thr Lys Leu Ala Pro Glu Thr Lys
1 5 10 15
Ala Val Ile His Trp Ile Met Asp Ile Pro Phe Val Leu Ser Ala Asn
20 25 30
Leu His Gly Gly Asp Leu Val Ala Asn Tyr Pro Tyr Asp Glu Thr Arg
35 40 45
Ser Gly Ser Ala His Glu Tyr Ser Ser Ser Pro Asp Asp Ala Ile Phe
50 55 60
Gln Ser Leu Ala Arg Ala Tyr Ser Ser Phe Asn Pro Ala Met Ser Asp
65 70 75 80
Pro Asn Arg Pro Pro Cys Arg Lys Asn Asp Asp Asp Ser Ser Phe Val
85 90 95
Asp Gly Thr Thr Asn Gly Val Leu Gly Thr Ala Tyr Leu Glu Gly Cys
100 105 110
Lys Thr Ser Ile Thr Leu Ala Ala Thr Val Leu Arg Ser Pro Trp Ser
115 120 125
Leu Ala Val Arg Ser Ser His Leu Lys Arg Leu
130 135

<210> 2931
<211> 2
<212> PRT
<213> Homo sapiens

<400> 2931
Met Tyr
1

<210> 2932
<211> 9
<212> PRT
<213> Homo sapiens

<400> 2932
Met Arg Phe Leu Phe Ile Phe Cys Phe
1 5

<210> 2933

<211> 12
<212> PRT
<213> Homo sapiens

<400> 2933
Met Glu Arg Val Arg Thr Ser Met Glu Cys Phe Cys
1 5 10

<210> 2934
<211> 48
<212> PRT
<213> Homo sapiens

<400> 2934
Met Leu Val Ile Leu Leu Asp Met Phe Phe Val Val Val Val Thr Trp
1 5 10 15
Asn Phe Cys Ile Leu Asn Lys Phe Gly Asp Gln Ile Gln Lys Lys Lys
20 25 30
Lys
35 40 45

<210> 2935
<211> 31
<212> PRT
<213> Homo sapiens

<400> 2935
Met Val Ile Trp Ser Thr Tyr Asp Thr Leu Ala Val Leu Ile Phe Gly
1 5 10 15
Val Leu Ala Leu Val Leu Ser His Leu His Val Trp Val Phe Leu
20 25 30

<210> 2936
<211> 48
<212> PRT
<213> Homo sapiens

<400> 2936
Glu Leu Ser Cys Trp Gln Asp Leu Leu Glu Leu Ala Arg Gln Leu Trp
1 5 10 15
Leu Trp Leu Leu Leu Arg Ser Trp Val Val Arg Ser Pro Ser Ala Gln
20 25 30
Trp Trp Gly Val Lys Phe Thr Gln Leu Arg Ser Arg Arg Gln Arg Cys
35 40 45

<210> 2937
<211> 59
<212> PRT
<213> *Homo sapiens*

<400> 2937
Met Gly Gly His Gly Ser Ala Gly Leu Cys Leu Lys His Thr Leu Gln
1 5 10 15

Leu Gln Leu Phe Ser Leu Val Phe Cys Leu Lys Leu Ile Leu Thr Glu
 20 25 30

Ser Asp Phe Val Phe Ile Ser Phe Gln Gly Leu Gly Cys Leu Trp Ala
35 40 45

Ser Pro Gly Gly Leu Glu Val Gly Lys Gly Lys
50 55

<210> 2938
<211> 1
<212> PRT
<213> *Homo sapiens*

<400> 2938
Phe
1

<210> 2939
<211> 44
<212> PRT
<213> *Homo sapiens*

<400> 2939
Met Ser Gly Leu Ser Gly Ala Pro Trp Gly Thr Trp Ala Leu Pro Leu
1 5 10 15

Ala His Leu Ser Leu Leu Ser Arg Thr Cys Leu Ser Ser Ser Pro Leu
20 25 30

Gly Phe Arg Leu Phe Ser Arg His Leu Arg His Leu
35 40

<210> 2940
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2940
Met Leu Ser Leu Pro Ala Pro Leu Arg Val Asn Arg Gly Leu Trp Gln
1 5 10 15

Leu Cys Thr Gly Ala Gly Leu Trp Leu Leu Gln Gly Ala Leu Pro Val

20

25

30

Thr Arg Ser Trp Ala Val
35

<210> 2941
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2941
Met Ala Gly Val Ser Thr Ser Pro Gly Pro Phe Leu Arg Tyr Leu Pro
1 5 10 15
Ala Cys Leu Pro Glu Leu Thr Cys Arg Pro Arg Lys Met Leu Thr Glu
20 25 30
Val Leu Leu Glu Val Ala Pro Ala
35 40

<210> 2942
<211> 133
<212> PRT
<213> Homo sapiens

<400> 2942
Met Phe Thr Asp Leu Ser Ser Ser Trp Cys Met Thr Met Thr Pro Val
1 5 10 15
Gly Ser Met Thr Ser Ser Ala Ser Ser Pro Ala Leu Ser Arg Arg Cys
20 25 30
Arg Lys Gly Arg Gln Thr Leu Gly Arg Arg Cys Ser Gly Thr Val Ser
35 40 45
Thr Gln Val Ser Gly Gln Glu Glu Leu Gln Glu Leu Arg Asp Gly
50 55 60
Ser Ala Gly Pro Val His Gly Gly Glu Ala His Leu Pro Gly Leu
65 70 75 80
His His Gly Trp Leu Pro Asp Gln Leu His Gly Gly His Arg Leu His
85 90 95
Arg Leu Gln Trp Gly Pro Glu Glu Gln Pro Val Pro Ala Leu Pro Gln
100 105 110
Ser Pro Thr Ala Gln Pro Leu Pro Ala Gly Pro Ala Cys Ser Gly Arg
115 120 125
His Leu Pro Gly Leu
130

<210> 2943
<211> 8

<212> PRT
<213> Homo sapiens

<400> 2943
Trp Ala Phe Ser Ala Trp Leu Leu
1 5

<210> 2944
<211> 9
<212> PRT
<213> Homo sapiens

<400> 2944
Ile Phe Leu Ile Leu Leu Ile Cys Val
1 5

<210> 2945
<211> 29
<212> PRT
<213> Homo sapiens

<400> 2945
Arg Val Phe Leu Asn His Glu Leu Tyr His Val Thr Phe Leu Leu Val
1 5 10 15

Lys Leu Ser Val Ala Leu His Cys Gln Gln Ser Pro Ala
20 25

<210> 2946
<211> 90
<212> PRT
<213> Homo sapiens

<400> 2946
Met Ala Asp Arg Ala Pro Arg Gln Pro Thr Ser Leu Gly Ser Ser Pro
1 5 10 15

Gln Arg Cys Gly Ser Pro Pro Ser Ala Pro Pro Pro Pro Pro Asp Arg
20 25 30

Gly Glu Arg Ile Glu Asp Cys Leu Ala Pro Leu Cys Pro Pro Val Val
35 40 45

Gly Gly Arg Gly Gly Cys Ala Leu Ser Arg Phe Leu Pro Val Asp Leu
50 55 60

Ser Leu Leu Arg Ser Ser Arg Thr Ala Ala Val Glu Leu Val Ala Gly
65 70 75 80

Gly Val Cys Arg Ser Pro Ser Gln Glu Asn
85 90

<210> 2947

<211> 42
<212> PRT
<213> Homo sapiens

<400> 2947
Ile Ile Val Arg Val Gly Phe Ala Leu Ser Cys Ser Val Ser Cys Pro
1 5 10 15

Phe Phe Ala Leu Leu Ser Cys Asp Ala Phe His His Ile Met Thr Gln
20 25 30

Gln Glu Gly Pro His Lys Val Pro Ala Pro
35 40

<210> 2948
<211> 42
<212> PRT
<213> Homo sapiens

<400> 2948
Met Lys Ile Phe Met Tyr Val Pro Ile Ile Leu Phe Arg Ser Gln Cys
1 5 10 15

Leu Cys Leu Ser Leu Thr Glu Ile Ile Glu Leu Leu Ser Ser Ser Lys
20 25 30

Leu Asn Lys Thr Leu Glu Leu Lys Ala Ser
35 40

<210> 2949
<211> 6
<212> PRT
<213> Homo sapiens

<400> 2949
Gly Val Ser Leu His Gln
1 5

<210> 2950
<211> 66
<212> PRT
<213> Homo sapiens

<400> 2950
Met Gly Ser Arg Leu Ala Pro Leu Leu Ser Ala Cys Leu Phe Val Ser
1 5 10 15

Val Ile Leu Gly Arg Met Val Ile Leu Lys Asn Pro Gly Val Leu Gly
20 25 30

Gln Arg Gln Ala Gly Pro Ser Pro Gly Ala Pro Gly Leu Pro Ser Pro
35 40 45

Ser Val Arg Ala Pro Leu Gly His Lys Cys Ser Glu Arg Ser Pro Ser
50 55 60

Ala Thr
65

<210> 2951
<211> 87
<212> PRT
<213> Homo sapiens

<400> 2951
Met Glu Gly Pro Leu Gln Ser Phe Lys Arg Arg Leu Trp Gly Gly Val
1 5 10 15

Glu Cys Ala Leu Gly Leu Asp Thr Cys Arg Gly Ala Pro Gly Trp Pro
20 25 30

Arg Arg Leu Ala Leu Ala Arg Gly Pro Val Leu Arg Gly Pro Gln Arg
35 40 45

Leu Thr Leu Gly Gln Ala Pro Ala Arg Arg Gly Arg Ser Pro Gly Leu
50 55 60

Pro Gly Arg His Val His Ile Ala Ile Ala Thr Arg Gln Leu Arg Leu
65 70 75 80

Gly Phe Thr Lys Ser Leu Pro
85

<210> 2952
<211> 22
<212> PRT
<213> Homo sapiens

<400> 2952
Met Leu Met Pro Pro Pro Pro Pro Ala Arg Leu Phe Phe Leu Tyr Phe
1 5 10 15

Val Leu Phe Leu Leu Gly
20

<210> 2953
<211> 46
<212> PRT
<213> Homo sapiens

<400> 2953
Met Arg Leu Gly Ile Ser Glu Leu Ser Phe Leu Leu Gly Ala Leu Gly
1 5 10 15

Tyr Leu Ser Leu Pro Arg Val Gly Pro Leu Glu Pro Phe Leu Pro Trp
20 25 30

Val Gly Ala Val Ser Gly Cys Trp Glu Gly Leu Cys Trp Pro
35 40 45

<210> 2954
<211> 51
<212> PRT
<213> Homo sapiens

<400> 2954
Met Thr Thr Ser Gln Ala Ile Ser Cys Leu Ala His Trp Ala Cys Ala
1 5 10 15
Trp Glu Thr Ala Cys Cys Trp Met Ala Arg Arg Arg Ala His Cys Gly
20 25 30
Ser Val Gly Pro Arg Ser Leu Pro Ala Ala Val Gly Gly Arg Gly Ala
35 40 45
Gly Arg Thr
50

<210> 2955
<211> 66
<212> PRT
<213> Homo sapiens

<400> 2955
Met Val Leu Tyr Leu Ser Ser His Trp Phe Ser Pro His Val Leu Ser
1 5 10 15
Pro His Glu Val Val Leu Cys Leu Leu Ser Val Val Leu Val Leu Ala
20 25 30
Thr Trp Ser Pro Asp Leu Gln Ile Trp Leu Pro Pro Pro Gly Pro Phe
35 40 45
Gln Leu Leu Leu Ile Cys Val Phe Tyr Gly Gly Ala Gly Lys Arg Trp
50 55 60
His Leu
65

<210> 2956
<211> 66
<212> PRT
<213> Homo sapiens

<400> 2956
Met Val Leu Tyr Leu Ser Ser His Trp Phe Ser Pro His Val Leu Ser
1 5 10 15
Pro His Glu Val Val Leu Cys Leu Leu Ser Val Val Leu Val Leu Ala
20 25 30
Thr Trp Ser Pro Asp Leu Gln Ile Trp Leu Pro Pro Pro Gly Pro Phe
35 40 45
Gln Leu Leu Leu Ile Cys Val Phe Tyr Gly Gly Ala Gly Lys Arg Trp

50

55

60

His Leu
65

<210> 2957
<211> 66
<212> PRT
<213> Homo sapiens

<400> 2957
Met Val Leu Tyr Leu Ser Ser His Trp Phe Ser Pro His Val Leu Ser
1 5 10 15

Pro His Glu Val Val Leu Cys Leu Leu Ser Val Val Leu Val Leu Ala
20 25 30

Thr Trp Ser Pro Asp Leu Gln Ile Trp Leu Pro Pro Pro Gly Pro Phe
35 40 45

Gln Leu Leu Leu Ile Cys Val Phe Tyr Gly Gly Ala Gly Lys Arg Trp
50 55 60

His Leu
65

<210> 2958
<211> 22
<212> PRT
<213> Homo sapiens

<400> 2958
Met Val Cys Cys Trp Arg Gly Cys Cys Trp Ser Trp Ser Ile Val Leu
1 5 10 15

Leu Trp Leu Gly Thr Val
20

<210> 2959
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2959
Met Lys Asn Ser Leu Ala Ala Gln Gln Ser Phe Ser Ala Cys Ser Gln
1 5 10 15

Ile Gly Glu Val Ser Thr Cys Tyr Ser Leu Cys Arg Arg Pro Ser Phe
20 25 30

Leu Leu Cys Phe Pro Ser Leu Val Phe Pro Pro Ala Gly Ser Trp Ala
35 40 45

Gly Val Pro Gly Cys Leu Pro Glu Ser Arg Leu His
50 55 60

<210> 2960
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2960
Met Lys Asn Ser Leu Ala Ala Gln Gln Ser Phe Ser Ala Cys Ser Gln
1 5 10 15
Ile Gly Glu Val Ser Thr Cys Tyr Ser Leu Cys Arg Arg Pro Ser Phe
20 25 30
Leu Leu Cys Phe Pro Ser Leu Val Phe Pro Pro Ala Gly Ser Trp Ala
35 40 45
Gly Val Pro Gly Cys Leu Pro Glu Ser Arg Leu His
50 55 60

<210> 2961
<211> 76
<212> PRT
<213> Homo sapiens

<400> 2961
Val Gly His His Ser Arg Pro Trp Thr Ser Pro Asn Leu Gly Thr Ala
1 5 10 15
Leu Phe Pro Asn Val Ser Ile Leu Leu Thr Gly Ala Ser Ser Ala Gln
20 25 30
Pro Trp Glu Pro Ile Gln Gly Leu Val Arg Thr Gly Leu Pro Gly Val
35 40 45
Gly Val Trp Gly Val Pro Ser Gly Val Ile Asp Ser Pro Thr Ala Pro
50 55 60
Ala Leu Thr Gly Pro Gln Val Ala Ala Met Val Asn
65 70 75

<210> 2962
<211> 32
<212> PRT
<213> Homo sapiens

<400> 2962
Trp Ala Leu Ala Leu Ala Thr His Phe Leu Gln Asn Leu Gly Phe Gly
1 5 10 15
Lys Asn Met Ala Ser Arg Gln Ser Lys Leu Ser Arg Gln Trp Gly Trp
20 25 30

<210> 2963
<211> 29
<212> PRT
<213> Homo sapiens

<400> 2963
Met Glu Leu Leu Phe Phe Leu Leu Leu Pro Tyr Phe Leu Leu Phe Ile
1 5 10 15
Cys Leu Ile Ser Cys Ile Ser Gln Ile Tyr Ile Tyr Leu
20 25

<210> 2964
<211> 64
<212> PRT
<213> Homo sapiens

<400> 2964
Met Pro Ser Phe Ile Ile His Ser Asn Pro Ile Trp Leu Gly Ala Leu
1 5 10 15
Leu Trp Val Ser His Cys Pro Ser Ser Ile Leu Gly Ser Leu Arg Pro
20 25 30
Arg Gly Gly Lys Ile Gln Leu Arg Val Gly Gly Ser Glu Pro Arg Arg
35 40 45
Ile Met Lys Ala Thr Cys Phe Gly Asn Asp Leu Pro Leu Pro Val Val
50 55 60

<210> 2965
<211> 39
<212> PRT
<213> Homo sapiens

<400> 2965
Met Ala Gly Lys Ala Ser Leu Thr Ser Ser Ala Ser Val Ile Ala Trp
1 5 10 15
Pro Ser Leu Leu Cys Leu Leu Leu Trp Met Pro Val Ile Gly Phe
20 25 30
Cys Ala Tyr His Thr Pro Met
35

<210> 2966
<211> 129
<212> PRT
<213> Homo sapiens

<400> 2966

Met Ser Lys Pro Leu Ser Tyr Met Thr Trp Leu Phe Leu Leu Pro Ser
1 5 10 15

Pro Leu Val Phe Val Ser Leu Phe Ser Pro Leu Ala Leu Pro Gly Ser
20 25 30

Pro Leu Ala Leu Pro Arg Gly Trp Phe Ser Ala Trp Ala Leu Ala Asp
35 40 45

Val Ser Val Ala Ala Gly His Thr Asp Arg Ser Gly Leu Gly Ser Val
50 55 60

Leu Arg Asp Leu Val Lys Pro Gly Asp Glu Asn Leu Arg Glu Met Asn
65 70 75 80

Lys Lys Leu Gln Asn Met Leu Glu Glu Gln Leu Thr Lys Asn Met His
85 90 95

Leu His Lys Asp Met Glu Val Leu Ser Gln Glu Ile Val Arg Leu Ser
100 105 110

Lys Glu Cys Val Gly Pro Pro Asp Pro Asp Leu Glu Pro Gly Glu Thr
115 120 125

Ser

<210> 2967

<211> 66

<212> PRT

<213> Homo sapiens

<400> 2967

Met Cys Cys Pro Ser Leu Leu Lys Phe Tyr Phe Arg Phe Ser Ile Gly
1 5 10 15

Tyr Leu Phe Cys Phe Leu Tyr Phe Phe Ser Leu Ser Leu Pro Pro Ser
20 25 30

Arg Pro Pro Arg Pro Ile Pro Phe Leu Pro Leu Asp Phe His Pro Leu
35 40 45

Gly Cys Leu Ala His Leu Tyr Ala Pro Ala Leu Gly Thr Gly Pro Asn
50 55 60

Thr Trp
65

<210> 2968

<211> 55

<212> PRT

<213> Homo sapiens

<400> 2968

Met Ser Val Gly Leu Ser Ser Ser Phe Leu Ile Leu Phe Met Pro Cys
1 5 10 15

Gln Val Tyr Cys Leu Tyr Pro Leu Val Asn Phe Phe Ile Ser Val Ile
20 25 30

Ile Arg Leu Lys Lys Lys Lys Lys Lys Lys Glu Ser Ser Leu Leu
35 40 45

Gly Asn Ala Trp Thr Leu Cys
50 55

<210> 2969
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2969
Met His Leu Ile Ile Phe Phe Leu Ser Leu Leu Cys Xaa Phe Leu Lys
1 5 10 15

Leu Pro Pro Lys Tyr Leu Ser Thr Pro Leu Asn Val Trp Ser Gln Asp
20 25 30

Lys Phe Leu Ile Leu Ala Leu Gln Phe Lys Met Tyr Lys Lys
35 40 45

<210> 2970
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2970
Leu
1

<210> 2971
<211> 40
<212> PRT
<213> Homo sapiens

<400> 2971
Met Val Ile Val Asn Ile Leu Ile Leu Cys Phe Leu Leu Thr Ser Asp
1 5 10 15

Asp Tyr Asn Ser Met Asp Asn Leu Asn Leu Gly Gly Arg Glu Glu Asp
20 25 30

Ala Glu Leu Ser Val Asn Leu Ala
35 40

<210> 2972
<211> 34
<212> PRT
<213> Homo sapiens

<400> 2972
Leu Glu Leu Thr Val Leu Ser Ser Leu Arg Thr Phe Glu Tyr Thr Leu
1 5 10 15
Pro Ile Ser Leu Pro Tyr Phe Leu Phe Ala Ala Phe Ala Leu Glu Leu
20 25 30

Cys Phe

<210> 2973
<211> 21
<212> PRT
<213> Homo sapiens

<400> 2973
Asp Cys Pro Ala Arg Ala Ala Pro Gln Pro Ala Asp Leu Thr Ala Ala
1 5 10 15
Pro Ala Ser Val Ala
20

<210> 2974
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2974
Met Thr Met Lys Leu Ser Val Phe Leu Ser Val Gln Asn Leu Gly Leu
1 5 10 15
Leu Ser Val Val Leu Lys Arg Ala Leu Ala Leu Ser Thr Pro Ser Leu
20 25 30

Glu Ile Cys
35

<210> 2975
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2975
Met
1

<210> 2976

<211> 28
<212> PRT
<213> Homo sapiens

<400> 2976
Met Val Leu Phe Asn Ala His Gly Cys Phe Leu Ile Cys Gly Leu Leu
1 5 10 15
Val Ser Arg Ala Met His Asn Val Ser Glu Gly Ser
20 25

<210> 2977
<211> 4
<212> PRT
<213> Homo sapiens

<400> 2977
Phe Gly Phe Val
1

<210> 2978
<211> 1
<212> PRT
<213> Homo sapiens

<400> 2978
Met
1

<210> 2979
<211> 17
<212> PRT
<213> Homo sapiens

<400> 2979
Met Val Gly Leu Trp Phe Val Phe Ser Leu Tyr Ser Leu Val Thr Phe
1 5 10 15
Leu

<210> 2980
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2980
Met Leu Gly Cys Leu Leu Val Val Phe Leu Cys Cys Leu Ile Leu Gly
1 . 5 10 15
Lys Leu Leu Cys Lys Ala Lys Asn Pro Val Asn Thr Ile Leu Ser Phe
20 25 30

Thr Gly Arg His Tyr Trp
35

<210> 2981
<211> 13
<212> PRT
<213> Homo sapiens

<400> 2981
Gly Asn Ser Leu Thr Leu Ala Ile Leu Leu Leu Ser Phe
1 5 10

<210> 2982
<211> 59
<212> PRT
<213> Homo sapiens

<400> 2982
Met Trp Arg Leu Ala Pro Arg Arg Leu Arg Gln Val His Ala Lys Pro
1 5 10 15
Ala Trp Leu Ser Ser Gly Phe Leu Leu Thr Arg Trp Met Pro Val Pro
20 25 30
Arg Pro Pro Asp Arg Ala Leu Gln His Trp Arg Gly Leu Trp Trp Gly
35 40 45
Pro Arg Cys Arg Thr Gly Thr Ala Ser Ala His
50 55

<210> 2983
<211> 670
<212> PRT
<213> Homo sapiens

<400> 2983
Asp Cys Val Leu Val Leu Leu Met Pro Arg Leu Ile Cys Lys Ala
1 5 10 15
Glu Leu Ile Arg Lys Gln Ala Gln Glu Lys Phe Glu Leu Ser Glu Asn
20 25 30
Cys Ser Glu Arg Pro Gly Leu Arg Gly Ala Ala Gly Glu Gln Leu Ser
35 40 45
Phe Ala Ala Gly Leu Val Tyr Ser Leu Ser Leu Leu Gln Ala Thr Leu
50 55 60
His Arg Tyr Glu His Ala Leu Ser Gln Cys Ser Val Asp Val Tyr Lys
65 70 75 80
Lys Val Gly Ser Leu Tyr Pro Glu Met Ser Ala His Glu Arg Ser Leu
85 90 95
Asp Phe Leu Ile Glu Leu Leu His Lys Asp Gln Leu Asp Glu Thr Val

100 105 110

Asn Val Glu Pro Leu Thr Lys Ala Ile Lys Tyr Tyr Gln His Leu Tyr
115 120 125

Ser Ile His Leu Ala Glu Gln Pro Glu Asp Cys Thr Met Gln Leu Ala
130 135 140

Asp His Ile Lys Phe Thr Gln Ser Ala Leu Asp Cys Met Ser Val Glu
145 150 155 160

Val Arg Arg Leu Arg Ala Phe Leu Gln Gly Gly Gln Glu Ala Thr Asp
165 170 175

Ile Ala Leu Leu Leu Arg Asp Leu Glu Thr Ser Cys Ser Asp Ile Arg
180 185 190

Gln Phe Cys Lys Lys Ile Arg Arg Arg Met Pro Gly Thr Asp Ala Pro
195 200 205

Gly Ile Pro Ala Ala Leu Ala Phe Gly Pro Gln Val Ser Asp Thr Leu
210 215 220

Leu Asp Cys Arg Lys His Leu Thr Trp Val Val Ala Val Leu Gln Glu
225 230 235 240

Val Ala Ala Ala Ala Gln Leu Ile Ala Pro Leu Ala Glu Asn Glu
245 250 255

Gly Leu Leu Val Ala Ala Leu Glu Glu Leu Ala Phe Lys Ala Ser Glu
260 265 270

Gln Ile Tyr Gly Thr Pro Ser Ser Ser Pro Tyr Glu Cys Leu Arg Gln
275 280 285

Ser Cys Asn Ile Leu Ile Ser Thr Met Asn Lys Leu Ala Thr Ala Met
290 295 300

Gln Glu Gly Glu Tyr Asp Ala Glu Arg Pro Pro Ser Lys Pro Pro Pro
305 310 315 320

Val Glu Leu Arg Ala Ala Ala Leu Arg Ala Glu Ile Thr Asp Ala Glu
325 330 335

Gly Leu Gly Leu Lys Leu Glu Asp Arg Glu Thr Val Ile Lys Glu Leu
340 345 350

Lys Lys Ser Leu Lys Ile Lys Gly Glu Glu Leu Ser Glu Ala Asn Val
355 360 365

Arg Leu Ser Leu Leu Glu Lys Lys Leu Asp Ser Ala Ala Lys Asp Ala
370 375 380

Asp Glu Arg Ile Glu Lys Val Gln Thr Arg Leu Glu Glu Thr Gln Ala
385 390 395 400

Leu Leu Arg Lys Lys Glu Lys Glu Phe Glu Glu Thr Met Asp Ala Leu
405 410 415

Gln Ala Asp Ile Asp Gln Leu Glu Ala Glu Lys Ala Glu Leu Lys Gln
420 425 430

Arg Leu Asn Ser Gln Ser Lys Arg Thr Ile Glu Gly Leu Arg Gly Pro
435 440 445

Pro Pro Ser Gly Ile Ala Thr Leu Val Ser Gly Ile Ala Gly Gly Ala
450 455 460

Ile Pro Gly Gln Ala Pro Gly Ser Val Pro Gly Pro Gly Leu Val Lys
465 470 475 480

Asp Ser Pro Leu Leu Gln Gln Ile Ser Ala Met Arg Leu His Ile
485 490 495

Ser Gln Leu Gln His Glu Asn Ser Ile Leu Lys Gly Ala Gln Met Lys
500 505 510

Ala Ser Leu Ala Ser Leu Pro Pro Leu His Val Ala Lys Leu Ser His
515 520 525

Glu Gly Pro Gly Ser Glu Leu Pro Ala Gly Ala Leu Tyr Arg Lys Thr
530 535 540

Ser Gln Leu Leu Glu Thr Leu Asn Gln Leu Ser Thr His Thr His Val
545 550 555 560

Val Asp Ile Thr Arg Thr Ser Pro Ala Ala Lys Ser Pro Ser Ala Gln
565 570 575

Leu Met Glu Gln Val Ala Gln Leu Lys Ser Leu Ser Asp Thr Val Glu
580 585 590

Lys Leu Lys Asp Glu Val Leu Lys Glu Thr Val Ser Gln Arg Pro Gly
595 600 605

Ala Thr Val Pro Thr Asp Phe Ala Thr Phe Pro Ser Ser Ala Phe Leu
610 615 620

Arg Ala Lys Glu Glu Gln Gln Asp Asp Thr Val Tyr Met Gly Lys Val
625 630 635 640

Thr Phe Ser Cys Ala Ala Gly Phe Gly Gln Arg His Arg Leu Val Leu
645 650 655

Thr Gln Glu Gln Leu His Gln Leu His Ser Arg Leu Ile Ser
660 665 670

<210> 2984
<211> 45
<212> PRT
<213> Homo sapiens

<400> 2984
Met Phe Phe Ser Gln Leu Asn Cys Cys Ile Ser Gln Thr Leu Gly Ser
1 5 10 15

Met Lys Ala Gly Arg Gly Asn Leu Asn Ile Asn Tyr Glu His Lys Phe
20 25 30

Glu Gly Lys Lys Thr Lys Asn His Tyr Leu Ile Lys Leu

35

40

45

<210> 2985
<211> 27
<212> PRT
<213> Homo sapiens

<400> 2985
Met Val Val His Ile Leu Trp Ser Trp Cys Cys Arg Gly Leu Ala Gly
1 5 10 15
Thr Ala Ala Leu Pro Arg Val Leu Phe Tyr Phe
20 25

<210> 2986
<211> 56
<212> PRT
<213> Homo sapiens

<400> 2986
Met Gly Pro His Trp Gly Arg Glu Ala Ser Cys Phe Leu Trp Phe Pro
1 5 10 15
Ala Gly Gln Ser Cys Pro Pro Phe Pro Val Leu Pro Thr Leu Gly Asn
20 25 30
Arg Glu Gly Arg Arg Gly Glu Glu Arg Glu Asp Pro Gly Gly Leu Gly
35 40 45
Arg Ser Ser Leu Lys Arg Leu Leu
50 55

<210> 2987
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2987
Met Met Ser Phe Val Trp Ser Arg Val Pro Tyr Cys Ile Leu Leu Trp
1 5 10 15
Cys Phe Leu His Leu Cys Gln Pro Val Thr Val Ser Trp Ser Leu Ser
20 25 30
Phe Met Thr Leu Thr Leu Trp Lys Ser Pro Gly Gln Leu Phe Tyr Arg
35 40 45
Ile Phe Pro Ser Phe Ser Leu Phe Asn Val Phe Thr
50 55 60

<210> 2988
<211> 61
<212> PRT

<213> Homo sapiens

<400> 2988

Met Leu Val Val Ser Lys Ala Ser His Phe Thr Leu Phe Leu Asn Cys
1 5 10 15

Leu Phe Leu Lys Ile Cys Leu Lys Ile Leu Arg Trp Gln His Ile
20 25 30

Gln Val Ala Thr Glu Gly Gly Val Thr Ser Asp Lys Leu Thr Ser Met
35 40 45

Ser Leu Ala Asn Leu Asp Phe Trp Ser Gln Ala Pro Asp
50 55 60

<210> 2989

<211> 31

<212> PRT

<213> Homo sapiens

<400> 2989

Met Pro Cys Arg Met Asp Arg Met Thr Asp Arg Asp Glu Ala Glu Thr
1 5 10 15

Ser Thr Asp Pro Ser His Gln Val Glu Pro Phe Phe Phe Leu Phe
20 25 30

<210> 2990

<211> 15

<212> PRT

<213> Homo sapiens

<400> 2990

Met Thr Arg Ala Ile Leu Cys Leu Leu Cys Cys Pro Gly His
1 5 10 15

<210> 2991

<211> 6

<212> PRT

<213> Homo sapiens

<400> 2991

Met Lys Ile Leu Val Leu
1 5

<210> 2992

<211> 149

<212> PRT

<213> Homo sapiens

<400> 2992

Met Ala Tyr Thr Leu Leu Gly Leu Leu Trp Leu His Arg Gly Gly Ala
1 5 10 15

Val Gly Leu Gly Pro Arg Tyr Leu Lys Asp Val Phe Ala Ala Met Ala
20 25 30

Leu Leu Tyr Gly Pro Val Gln Trp Leu Arg Leu Trp Thr Gln Trp Arg
35 40 45

Arg Ala Ala Val Leu Asp Gln Trp Leu Thr Leu Pro Ile Phe Ala Trp
50 55 60

Pro Val Ala Trp Cys Leu Tyr Leu Asn Arg Gly Trp Arg Pro Trp Leu
65 70 75 80

Phe Leu Ser Leu Glu Cys Val Ser Leu Ala Ser Tyr Gly Leu Ser Leu
85 90 95

Cys Ile Pro Arg Gly Phe Glu Val Ala Leu Gly Ala His Met Trp Pro
100 105 110

Leu Trp Gly Arg Arg Cys Ala Pro Asn Arg His Tyr Gly Asn Thr Thr
115 120 125

Ser Ala Thr Tyr Ser Pro Leu Gly Val Pro Leu Leu Pro Gly Leu Cys
130 135 140

Gly Pro Gln Ala Val
145

<210> 2993
<211> 23
<212> PRT
<213> Homo sapiens

<400> 2993
Met Lys Leu Asn Asn Lys Gln Cys His Leu Tyr Met Gly Thr Met Pro
1 5 10 15

Ser Ser Ser Cys Cys Val Phe
20

<210> 2994
<211> 58
<212> PRT
<213> Homo sapiens

<400> 2994
Leu Gln Leu Gly Leu Cys Cys Leu Pro Val Leu Phe Val Ala Leu Gly
1 5 10 15

Met Ala Ser Asp Pro Ile Phe Thr Leu Ala Pro Pro Leu His Cys His
20 25 30

Tyr Gly Ala Phe Pro Pro Asn Ala Ser Gly Trp Glu Gln Pro Pro Asn
35 40 45

Ala Ser Gly Val Thr Ser Pro Ala Leu Pro
50 55

<210> 2995
<211> 60
<212> PRT
<213> Homo sapiens

<400> 2995
Met Ala Val Thr Ala Leu Ala Ala Arg Thr Trp Leu Gly Val Trp Gly
1 5 10 15
Val Arg Thr Met Gln Ala Arg Gly Phe Gly Ser Asp Gln Ser Glu Asn
20 25 30
Val Asp Arg Gly Ala Gly Ser Ile Arg Glu Ala Gly Gly Ala Phe Gly
35 40 45
Lys Arg Glu Gln Ala Glu Glu Glu Arg Tyr Phe Arg
50 55 60

<210> 2996
<211> 53
<212> PRT
<213> Homo sapiens

<400> 2996
Val Leu Ser Cys Ile Leu Ala Leu Leu Val Lys His Ser Lys Ala Ser
1 5 10 15
Thr His Pro Pro Phe Ser Pro Leu Gly Lys Ala Val Asp Cys Asn Ile
20 25 30
His Thr Ala Pro Trp Ala Met Val Lys Ser Leu Ala Glu Gly Leu Gly
35 40 45
Glu Ala Leu Cys Val
50

<210> 2997
<211> 35
<212> PRT
<213> Homo sapiens

<400> 2997
Met Cys Pro Leu Thr Thr Ala Ser Glu Ala Leu Ser Ala Ile Lys Met
1 5 10 15
Gln Ile Leu Gly Leu Ile Leu Leu Leu Asn Pro Gly Ile Ser Gly
20 25 30
Gly Asn Ser
35

<210> 2998

<211> 38
<212> PRT
<213> Homo sapiens

<400> 2998
Met Arg Ser Glu Gly Gly Arg Leu Ile Lys Thr Thr Lys Asn Ile Ile
1 5 10 15
Val Val Thr Leu Leu Phe Phe Phe Cys Gly Gly Asp Ser Thr
20 25 30
Ile Ile Lys Ile Gln Thr
35

<210> 2999
<211> 38
<212> PRT
<213> Homo sapiens

<400> 2999
Met Arg Ser Glu Gly Gly Arg Leu Ile Lys Thr Thr Lys Asn Ile Ile
1 5 10 15
Val Val Thr Leu Leu Phe Phe Phe Cys Gly Gly Asp Ser Thr
20 25 30
Ile Ile Lys Ile Gln Thr
35

<210> 3000
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3000
Met Tyr Leu Asp Gln Ser Ser Leu Val Phe Leu Thr Leu Ala Met Ser
1 5 10 15
His Cys His Leu Met Gly Pro Ile Trp Val Leu
20 25

<210> 3001
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3001
Met Thr Gly Arg Gln Ser Leu Arg Pro Gly Cys Ala Leu Leu Leu
1 5 10 15
Pro Ser Val Phe Ser Gln Leu Leu Ser Leu Gly Ala Pro Gly Ser Glu
20 25 30

<210> 3002
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3002
Met Leu Val Thr Met Ala Pro Ile Val Leu Ile Leu Leu Gly Leu Leu
1 5 10 15
Leu Phe Lys Met Tyr Pro Ile Asp Glu Glu Arg Arg Arg Gln Asn Lys
20 25 30
Lys Ala Leu Gln Ala Leu Arg Asp Glu Ala Ser Ser Ser Gly Cys Ser
35 40 45
Glu Thr Asp Ser Thr Glu Leu Ala Ser Ile Leu
50 55

<210> 3003
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3003
Met Val Leu Leu Arg Val Leu Ala Ser His Leu His His Phe Tyr Phe
1 5 10 15
Ser Phe Thr Ile Cys Ile Phe Gln Ser Ala Tyr Ile Leu Thr Leu Leu
20 25 30
Leu Val Val Leu Met Thr Ser Asp
35 40

<210> 3004
<211> 2
<212> PRT
<213> Homo sapiens

<400> 3004
Trp Asn
1

<210> 3005
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3005
Met Thr Leu Ala Phe Val Thr Leu Val Arg Val Ile Ser Thr Ile Ile
1 5 10 15
Gly Gly Met Ala Asp Gln Gly Glu Val Lys Ser Gln

<210> 3006
<211> 8
<212> PRT
<213> Homo sapiens

<400> 3006
Met Cys Arg Trp Phe Val Ser Glu
1 5

<210> 3007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3007
Met Phe Ser Gln Leu Leu Leu Tyr Cys Val Tyr Leu Tyr Cys Cys Arg
1 5 10 15
Gly Gly Cys Phe
20

<210> 3008
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3008
Met Glu Leu Lys Lys Asn Val Phe Ser Val Ser Ser Leu Cys Thr Pro
1 5 10 15
Ser His Tyr Ser Ser His Thr Leu His Phe Phe Phe Phe Lys Ala
20 25 30
Ala Leu Ile Gly Cys Tyr Ile Leu
35 40

<210> 3009
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3009
Met Xaa Ser Tyr
1

<210> 3010
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3010
Met Val Ala Arg Cys Phe Leu Thr Phe Leu Arg Val Asn Ser Leu Ser
1 5 10 15
Gln Gly Thr Val Glu Met Gly Val Trp Ser Gly Phe Pro Pro Gln Ser
20 25 30
Leu Leu Ile Thr Ala Gln
35

<210> 3011
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3011
Ile
1

<210> 3012
<211> 65
<212> PRT
<213> Homo sapiens

<400> 3012
Met Arg Phe Phe Leu Phe Pro Tyr Tyr Cys Phe Ile Leu Ser Cys His
1 5 10 15
Ser Lys Leu Thr Phe Phe Gly Met Phe Phe Leu Tyr Leu Cys Pro Phe
20 25 30
Arg Ser Ala Leu Asp Ser Leu Gly Gly Leu Leu Gln Trp Val Cys Leu
35 40 45
Asn Ile Val Ile Pro His Val Ala Asp Trp Glu Thr Leu Leu Phe Asn
50 55 60
Trp
65

<210> 3013
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3013
Met Leu Ser Leu Ser Ser Leu Ser Arg Cys Lys Leu Tyr Val Tyr Trp
1 5 10 15

Leu Cys Ser Leu Ile Leu Phe His Gly Lys Tyr Lys Gln Phe Ser Ala
20 25 30

Tyr Lys Tyr Trp Lys Lys Leu Ser
35 40

<210> 3014
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3014
Met Phe Val Asp Val Ser Trp Phe Leu Val Phe Thr Leu Leu Pro
1 5 10 15

<210> 3015
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3015
Met Ser His Phe Ser Cys Val Ile Leu Ile Leu Thr Gly Ile Arg Trp
1 5 10 15

His Gly Leu Val Phe Ser Gln Phe Gln Asn Ile Phe Leu His Cys Phe
20 25 30

Asn Val Lys Lys Met Lys Ile
35

<210> 3016
<211> 3
<212> PRT
<213> Homo sapiens

<400> 3016
Leu Leu Gly
1

<210> 3017
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3017
Met Lys Leu Phe Leu Pro Arg Pro Leu Ser Ala Ala Arg Val Arg Gly
1 5 10 15

Leu Leu Phe Cys Ile Phe Ile Ala Leu Arg His Leu Val Leu Cys Asp
20 25 30

Tyr His Thr Tyr
35

<210> 3018
<211> 295
<212> PRT
<213> Homo sapiens

<400> 3018
Met Ala Ser Ile Ala Lys Gln Thr Ser Ser Leu Val Pro Pro Tyr Leu
1 5 10 15
Gly Met Ile Leu Thr Ala Leu Leu Gln Gly Leu Ala Gly Arg Thr Trp
20 25 30
Ala Gly Lys Glu Glu Leu Leu Lys Ala Ile Ala Cys Val Val Thr Ala
35 40 45
Cys Ser Ala Glu Leu Glu Lys Ser Val Pro Asn Gln Pro Ser Thr Asn
50 55 60
Glu Ile Leu Gln Ala Val Leu Lys Glu Cys Ser Lys Glu Asn Val Lys
65 70 75 80
Tyr Lys Ile Val Ala Ile Ser Cys Ala Ala Asp Ile Leu Lys Ala Thr
85 90 95
Lys Glu Asp Arg Phe Gln Glu Phe Ser Asn Ile Val Ile Pro Leu Ile
100 105 110
Lys Lys Asn Ser Leu Glu Ser Ser Gly Val Arg Thr Thr Lys Asn Glu
115 120 125
Glu Glu Asn Glu Lys Glu Lys Glu Leu Gln Leu Glu Tyr Leu Leu Gly
130 135 140
Ala Phe Glu Ser Leu Gly Lys Ala Trp Pro Arg Asn Ala Glu Thr Gln
145 150 155 160
Arg Cys Tyr Arg Gln Glu Leu Cys Lys Leu Met Cys Glu Arg Leu Lys
165 170 175
Leu Ser Thr Trp Lys Val Gln Leu Gly Val Leu Gln Ser Met Asn Ala
180 185 190
Phe Phe Gln Gly Leu Met Leu Leu Glu Glu His Ala Asp Pro Glu
195 200 205
Ala Leu Ala Glu Ile Leu Leu Glu Thr Cys Lys Ser Ile Thr Tyr Ser
210 215 220
Leu Glu Asn Lys Thr Tyr Ser Ser Val Arg Thr Glu Ala Leu Ser Val
225 230 235 240
Ile Glu Leu Leu Lys Lys Leu Glu Glu Ser Lys Gln Trp Glu Cys
245 250 255
Leu Thr Ser Glu Cys Arg Val Leu Leu Ile Glu Ser Leu Ala Thr Met
260 265 270
Glu Pro Asp Ser Arg Pro Glu Leu Gln Glu Lys Ala Ala Leu Leu Lys

275

280

285

Lys Thr Leu Glu Asn Leu Glu
290 295

<210> 3019
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3019
Met Gln Pro Pro Ile Ser Ser Tyr Ser Phe Leu Val Phe Trp Leu Thr
1 5 10 15
Val Gln Pro Cys Gly Phe Cys Ala Ala Ser Ser Ala Arg Lys Ile Lys
20 25 30
Pro Ser Phe Ser
35

<210> 3020
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3020
Met Leu Leu Leu Ser Thr Leu Tyr Leu Pro Ser Ala Leu Ser Arg Lys
1 5 10 15
Thr Phe Val Leu Leu Lys Thr Lys Asp Val Phe Ile Leu Asp Pro Glu
20 25 30
Glu Arg Ser Leu Leu
35

<210> 3021
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3021
Met Gly Gln Gly Ser His Leu Met Leu Val Phe Leu Ile Leu Tyr Tyr
1 5 10 15
Ile Val Leu Phe Met Ile Gln Leu Ile Leu Thr Lys Phe Val Ala Val
20 25 30
Glu Pro

<210> 3022
<211> 34
<212> PRT

<213> Homo sapiens

<400> 3022

Met Val Phe Thr Cys Pro His Gln Lys Pro Ala Leu Ser Arg Leu Leu
1 5 10 15

Arg Leu Leu Leu Asn Arg Ser Ala Ile Cys Ile Pro Gly Ala Pro
20 25 30

Gln Gly

<210> 3023

<211> 6

<212> PRT

<213> Homo sapiens

<400> 3023

Ser Trp Leu Pro Pro Ile
1 5

<210> 3024

<211> 16

<212> PRT

<213> Homo sapiens

<400> 3024

Val Ile Ile Ser Ser Val Phe Ser Phe Val Leu Leu Ser Cys Ile His
1 5 10 15

<210> 3025

<211> 319

<212> PRT

<213> Homo sapiens

<400> 3025

Met Gln Thr Cys Pro Leu Ala Phe Pro Gly His Val Ser Gln Ala Leu
1 5 10 15

Gly Thr Leu Leu Phe Leu Ala Ala Ser Leu Ser Ala Gln Asn Glu Gly
20 25 30

Trp Asp Ser Pro Ile Cys Thr Glu Gly Val Val Ser Val Ser Trp Gly
35 40 45

Glu Asn Thr Val Met Ser Cys Asn Ile Ser Asn Ala Phe Ser His Val
50 55 60

Asn Ile Lys Leu Arg Ala His Gly Gln Glu Ser Ala Ile Phe Asn Glu
65 70 75 80

Val Ala Pro Gly Ser Gly Arg Arg Gly Thr Ala Gly Asp Gln Arg Arg

85

90

95

Pro Gly Leu Arg Ala Gly Ala Gln Gln Gly Leu Ser Arg Ala Ser Ala
 100 105 110

Glu Leu Trp Thr Pro Asp Ser Glu Pro Thr Pro Arg Pro Leu Ala Leu
 115 120 125

Val Phe Lys Pro Ser Pro Leu Gly Ala Leu Glu Leu Leu Ser Pro Gln
 130 135 140

Pro Leu Phe His Met Pro Gln Thr His Ser Arg Leu Gln Gly Arg Glu
 145 150 155 160

Asp Thr Gly Glu Pro Ala Leu Ser Ala Asp Leu Gly Trp Arg Gly Leu
 165 170 175

Gly Leu Ser Ser His Pro Glu Gly Thr Asp Thr Gly Leu Leu Gly Arg
 180 185 190

Leu Gly Leu Cys Val Thr His Ser Trp Val Arg Ala Asp Pro Ser Pro
 195 200 205

Pro Pro Pro Arg Ser Ser Lys Leu Cys Phe Leu Ser Phe Gln Asn Gly
 210 215 220

Thr Thr Ser Pro Pro Gln His Pro Thr Tyr Gln Asp Ala Cys Pro Ser
 225 230 235 240

Leu Cys Pro His Gln Thr His Arg Pro Gly Leu Pro Phe Cys His Pro
 245 250 255

Arg Leu Val Arg Pro Gln Val Trp Gly Pro Leu Ser Pro Leu Pro Gly
 260 265 270

Leu Arg Ala Gln Val Arg Gly Pro Leu Pro Glu Pro Gln Thr His Ser
 275 280 285

Ser Ser Gly Leu Trp Gly Ala Leu Ala Thr Tyr Leu Ser Leu Gly Tyr
 290 295 300

Glu Gln Ala Leu Gly Ala Leu Pro Arg Gln Pro Arg Gly Pro Arg
 305 310 315

<210> 3026

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3026

Met Ser Ile Ser Val Phe Ser Leu Leu Leu Ser Phe Leu Ile Asp Gly
 1 5 10 15

Ser Phe Ser Leu Leu Pro Arg Gly Cys Gln Asn Phe Ala Ser
 20 25 30

<210> 3027

<211> 60
<212> PRT
<213> Homo sapiens

<400> 3027
Phe Tyr Ser Phe Phe Leu Pro His Lys Gly Leu Val Leu Phe Asn Tyr
1 5 10 15
Thr Gly Ala Ser Ser Ser Phe Leu Phe Pro Ser Ser Glu Leu Pro Ala
20 25 30
Glu Ile Leu Pro Gln Leu Ile Asp Lys Lys Ile Leu Ile Pro Arg Ser
35 40 45
Glu Phe Arg Asn Ile Leu Ile Asn Glu Ser Ser Cys
50 55 60

<210> 3028
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3028
Met Ser Leu Thr Gln Glu Pro Arg Gly Arg Gln Arg Arg Thr Lys Val
1 5 10 15
Ile Asn Leu His Leu Phe Leu Phe Phe Phe Phe Ser Ser
20 25 30
Val Val Thr Ser Phe Pro Leu Ser Phe Phe Ile Leu Pro Gly Pro Leu
35 40 45

Pro

<210> 3029
<211> 8
<212> PRT
<213> Homo sapiens

<400> 3029
Met Thr Thr Trp Pro Thr Cys Ser
1 5

<210> 3030
<211> 158
<212> PRT
<213> Homo sapiens

<400> 3030
Met Gly Ser Gln Ala Leu Pro Pro Gly Pro Met Gln Thr Leu Ile Phe
1 5 10 15
Phe Asp Met Glu Ala Thr Gly Leu Pro Phe Ser Gln Pro Lys Val Thr
20 25 30

Glu Leu Cys Leu Leu Ala Val His Arg Cys Ala Leu Glu Ser Pro Pro
35 40 45

Thr Ser Gln Gly Pro Pro Pro Thr Val Pro Pro Pro Pro Arg Val Val
50 55 60

Asp Lys Leu Ser Leu Cys Val Ala Pro Gly Lys Ala Cys Ser Pro Ala
65 70 75 80

Ala Ser Glu Ile Thr Gly Leu Ser Thr Ala Val Leu Ala Ala His Gly
85 90 95

Arg Gln Cys Phe Asp Asp Asn Leu Ala Asn Leu Leu Ala Phe Leu
100 105 110

Arg Arg Gln His Ser Pro Gly Ala Trp Trp His Thr Met Val Thr Ala
115 120 125

Thr Thr Ser Pro Cys Ser Lys Gln Ser Trp Leu Cys Trp Ala Ser Pro
130 135 140

Val Leu Trp Met Val Pro Ser Val Trp Ile Ala Ser Leu Arg
145 150 155

<210> 3031
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3031
Met Ala Val Ala Ala Trp Val Met Ser Val Ser Leu His Leu Gly Phe
1 5 10 15

Pro Trp Ala Leu Ser Arg Gln Arg His Pro Gln Ser His His Cys
20 25 30

Glu Ser Phe Gly Ser Phe Ser Ile Trp Ala
35 40

<210> 3032
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3032
Leu Ala Val Leu Leu Pro Gln Arg Val Leu Leu Ser Val Phe Leu Cys
1 5 10 15

Leu Leu Pro Leu Gln Arg
20

<210> 3033
<211> 94
<212> PRT

<213> Homo sapiens

<400> 3033

Met Arg Gln Glu Asp Leu Thr Gly Leu Cys Lys Leu Val Asn Ile Leu
1 5 10 15

Phe Phe Phe Leu Gln Phe Tyr Thr Leu Leu Ser Phe Phe Phe Leu Leu
20 25 30

Lys Asn Val His Lys Leu Phe Val Ala Ala Val Ile Ile Phe Val Val
35 40 45

Lys Ser Gln Arg Cys Cys Val Ala Gly Ser Ala Ser Gly Leu Gly Leu
50 55 60

Arg Leu His Gly Ser Asn Tyr Thr Val Val Tyr Gly Asp Gln Ser Arg
65 70 75 80

Pro Pro Leu Leu Arg Val Lys Thr Gly Val Lys Gly Lys Ala
85 90

<210> 3034

<211> 32

<212> PRT

<213> Homo sapiens

<400> 3034

Met Pro Ile Lys Ile Tyr Phe Leu Leu Val Ile Ser Thr Leu Phe Leu
1 5 10 15

Ile Leu Thr Phe Ile Thr Gly Asn Val Pro Val His Val Gly Ser Arg
20 25 30

<210> 3035

<211> 28

<212> PRT

<213> Homo sapiens

<400> 3035

Met Asp Phe Leu Leu Phe Leu Ser Gly Ser Ser Ser Phe Leu Ser Leu
1 5 10 15

Phe Leu Phe Ile Tyr Leu Phe Ile Tyr Phe Ala Val
20 25

<210> 3036

<211> 49

<212> PRT

<213> Homo sapiens

<400> 3036

Met Gly Ala Leu Cys Val His Cys Cys Ile Leu Ala Phe Cys Thr Tyr

1

5

10

15

Gly Ser Gly Ile Ser Leu Phe Pro Tyr Leu Leu Ile Cys Leu Arg Gly
20 25 30

Arg Asn Ile His Tyr Ala Met Thr Ile Pro Val Leu Val Asn Val Pro
35 40 45

Val

<210> 3037

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3037

Met Tyr Lys Glu Ile Pro Val Lys Leu Phe Cys Leu Met Phe Tyr Trp
1 5 10 15

Thr Lys Val Val Val Cys Met Glu Cys Ser Ser Ser Val Tyr Arg
20 25 30

<210> 3038

<211> 25

<212> PRT

<213> Homo sapiens

<400> 3038

Arg Lys Trp Trp Pro Gln Asp Ile His Leu Thr Val Ala Val Ala Thr
1 5 10 15

Leu Trp Ser Ser Ser Gly His Gln Trp
20 25

<210> 3039

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3039

Met Asn Val Thr Val Thr Leu Pro Lys Tyr His Leu Ala Leu Ile Trp
1 5 10 15

Leu Leu Phe His Phe Gly Trp Ala Leu Leu Ser Val Cys Ser Lys Thr
20 25 30

Val Leu Met Xaa Leu Ser Asn Val His Asn Ala Val Ile Gly
35 40 45

<210> 3040
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3040
Met Val Leu Val Thr Trp Pro Leu Phe Thr Ala Pro Phe Ala Ser Thr
1 5 10 15

Ser Cys Cys Ala Gly Leu Glu Val Ala Thr Met Ala Cys Phe Lys Glu
20 25 30

Gly Asn Ser Gly Thr Val Ala Pro Ser Gly Val Glu Asp Ser Glu Leu
35 40 45

Pro

<210> 3041
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3041
Met Cys Val Thr Phe Leu Ser Ala Cys Cys Ile Tyr Ala Phe Tyr Leu
1 5 10 15

Leu Leu Phe Ser Leu Phe Ile Gln Val Thr Lys Arg Met Leu Glu Gln
20 25 30

Ala Trp

<210> 3042
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3042
Met Lys Pro His Leu His Leu Pro Leu Leu Phe Leu Pro Thr Leu Ser
1 5 10 15

Asn Ile Thr Phe Thr Leu Asn Phe Ser Val Tyr Arg Lys Glu Asn
20 25 30

<210> 3043
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3043
Met Ile Gln His Val Val Phe Cys Val Trp Leu Leu Ser Phe Ser Ile
1 5 10 15

Phe Lys Leu His Leu Ser Ser Ser Leu Cys Arg Tyr Cys Ile Ala Gly
20 25 30

<210> 3044

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3044

Met Glu Met Arg Ser Val Leu Arg Lys Ala Gly Ser Pro Arg Lys Ala
1 5 10 15

Arg Arg Ala Arg Leu Asn Pro Leu Val Leu Leu Leu Asp Ala Ala Leu
20 25 30

Thr Gly Glu Leu Glu Val Val Gln Gln Ala Val Lys Glu Met Asn Asp
35 40 45

Pro Ser Gln Pro Asn Glu Glu Gly Ile Thr Ala Leu His Asn Ala Ile
50 55 60

Cys Gly Ala Asn Tyr Ser Ile Val Asp Phe Leu Ile Thr Ala Gly Ala
65 70 75 80

Asn Val Asn Ser Pro Asp Ser His Gly Trp Thr Pro Leu His Cys Ala
85 90 95

Ala Ser Cys Asn Xaa Thr Val Ile Cys Met Ala Leu Val Gln His Gly
100 105 110

Ala Ala Ile Phe Ala Thr Thr Leu Ser Asp Gly Ala Thr Ala Phe Glu
115 120 125

Lys Cys Asp Pro Tyr Arg Glu Gly Tyr Ala Asp Cys Ala Thr Tyr Leu
130 135 140

Ala Asp Val Glu Gln Ser Met Gly Leu Met Asn Ser Gly Ala Val Tyr
145 150 155 160

Ala Leu Trp Asp Tyr Ser Ala Glu Phe Gly Asp Glu Leu Ser Phe Arg
165 170 175

Glu Gly Glu Ser Val Thr Val Leu Arg Arg Asp Gly Pro Glu Arg Pro
180 185 190

Thr Gly Gly Pro Arg Cys Thr Ala Arg Arg Ala Thr Cys Arg Gly
195 200 205

Thr Thr Ser Gly Cys Ser Pro Gly
210 215

<210> 3045
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3045
Met Leu Leu Trp Leu Trp Ser Gly Pro Gly Met Ala Val Gly Pro Cys
1 5 10 15
Arg Gly Val Ala Leu Leu Ala Arg Ser Gly Met Cys Ser Ala Glu Ala
20 25 30
Val Asn Ser Trp
35

<210> 3046
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3046
Met Cys Val Cys Val Tyr Val Cys Ala Cys Leu Cys Pro Arg Pro Cys
1 5 10 15
Val Pro His Thr Ala Pro Leu Ser Ser Val Leu Pro Arg Asp Pro Ser
20 25 30
Glu Leu Ala Cys Gly Ala Arg Glu Ala Pro Trp Met Gly Gly Gly Ala
35 40 45
Thr Gly Arg Leu Glu Gly Leu His Gln Ala His
50 55

<210> 3047
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3047
Met Glu Phe Phe Pro Arg Gly Gln Leu Leu Leu Leu Ser Phe Ile Met
1 5 10 15
Ile Leu Thr Phe Trp Val Lys Gln Gly Gly Trp Glu Arg Trp Ser Asp
20 25 30
Val Lys Tyr Asn Leu Leu Gly Gly Thr Val Asn Cys Glu Val Val Arg
35 40 45
Lys Lys Ile Lys Thr Ser Tyr
50 55

<210> 3048

<211> 347
<212> PRT
<213> Homo sapiens

<400> 3048
Met Phe Tyr Cys Thr Arg Thr Leu Pro Asn Val Leu Ala Leu Pro Val
1 5 10 15
Val Leu Leu Ala Leu Ala Ala Trp Leu Arg His Glu Trp Ala Arg Phe
20 25 30
Ile Trp Leu Ser Ala Phe Ala Ile Ile Val Phe Arg Val Glu Leu Cys
35 40 45
Leu Phe Leu Gly Leu Leu Leu Leu Ala Leu Gly Asn Arg Lys Val
50 55 60
Ser Val Val Arg Ala Leu Arg His Ala Val Pro Ala Gly Ile Leu Cys
65 70 75 80
Leu Gly Leu Thr Val Ala Val Asp Ser Tyr Phe Trp Arg Gln Leu Thr
85 90 95
Trp Pro Glu Gly Lys Val Leu Trp Tyr Asn Thr Val Leu Asn Lys Ser
100 105 110
Ser Asn Trp Gly Thr Ser Pro Leu Leu Trp Tyr Phe Tyr Ser Ala Leu
115 120 125
Pro Arg Gly Leu Gly Cys Ser Leu Leu Phe Ile Pro Leu Gly Leu Val
130 135 140
Asp Arg Arg Thr His Ala Pro Thr Val Leu Ala Leu Gly Phe Met Ala
145 150 155 160
Leu Tyr Ser Leu Leu Pro His Lys Glu Leu Arg Phe Ile Ile Tyr Ala
165 170 175
Phe Pro Met Leu Asn Ile Thr Ala Ala Arg Gly Cys Ser Tyr Leu Leu
180 185 190
Asn Asn Tyr Lys Lys Ser Trp Leu Tyr Lys Ala Gly Ser Leu Leu Val
195 200 205
Ile Gly His Leu Val Val Asn Ala Ala Tyr Ser Ala Thr Ala Leu Tyr
210 215 220
Val Ser His Phe Asn Tyr Pro Gly Gly Val Ala Met Gln Arg Leu His
225 230 235 240
Gln Leu Val Pro Pro Gln Thr Asp Val Leu Leu His Ile Asp Val Ala
245 250 255
Ala Ala Gln Thr Gly Val Ser Arg Phe Leu Gln Val Asn Ser Ala Trp
260 265 270
Arg Tyr Asp Lys Arg Glu Asp Val Gln Pro Gly Thr Gly Met Leu Ala
275 280 285
Tyr Thr His Ile Ser Trp Arg Arg Pro Trp Ala Pro Gly Pro Leu Gln
290 295 300

Gly His Thr Pro Gly Pro Gly Gln Arg Arg Gly Asp His Arg Cys Glu
305 310 315 320

Ser Glu Pro Asp Pro Thr Ala Pro Phe Asn Val His Leu Gln Thr Lys
325 330 335

Leu Val Leu Leu Glu Arg Leu Pro Arg Pro Ser
340 345

<210> 3049
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3049
Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro
1 5 10 15

Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly
20 25

<210> 3050
<211> 410
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3050
Met Ala Asp Ser Ser Gly Arg Gly Ala Gly Lys Pro Ala Thr Gly Pro
1 5 10 15

Thr Asn Ser Ser Ser Ala Lys Lys Lys Asp Lys Arg Val Gln Gly Gly
20 25 30

Arg Val Ile Glu Ser Arg Tyr Leu Gln Tyr Glu Lys Lys Thr Thr Gln
35 40 45

Lys Ala Pro Ala Gly Asp Gly Ser Gln Thr Arg Gly Lys Met Ser Glu
50 55 60

Gly Gly Arg Lys Ser Ser Leu Leu Gln Lys Ser Lys Ala Asp Ser Ser
65 70 75 80

Gly Val Xaa Lys Gly Asp Leu Gln Ser Thr Leu Leu Glu Gly His Gly
85 90 95

Thr Ala Pro Pro Asp Leu Asp Leu Ser Ala Ile Asn Asp Lys Ser Ile
100 105 110

Val Lys Lys Thr Pro Gln Leu Ala Lys Thr Ile Ser Lys Lys Pro Glu
115 120 125

Ser Thr Ser Phe Ser Ala Pro Arg Lys Lys Ser Pro Asp Leu Ser Glu
130 135 140

Ala Met Glu Met Met Glu Ser Gln Thr Leu Leu Leu Thr Leu Leu Ser
145 150 155 160

Val Lys Met Glu Asn Asn Leu Ala Glu Phe Glu Arg Arg Ala Glu Lys
165 170 175

Asn Leu Leu Ile Met Cys Lys Glu Lys Glu Lys Leu Gln Lys Lys Ala
180 185 190

His Glu Leu Lys Arg Arg Leu Leu Leu Ser Gln Arg Lys Arg Glu Leu
195 200 205

Ala Asp Val Leu Asp Ala Gln Ile Glu Met Leu Ser Pro Phe Glu Ala
210 215 220

Val Ala Thr Arg Phe Lys Glu Gln Tyr Arg Thr Phe Ala Thr Ala Leu
225 230 235 240

Asp Thr Thr Arg His Glu Leu Pro Val Arg Ser Ile His Leu Glu Gly
245 250 255

Asp Gly Gln Gln Leu Leu Asp Ala Leu Gln His Glu Leu Val Thr Thr
260 265 270

Gln Arg Leu Leu Gly Glu Leu Asp Val Gly Asp Ser Glu Glu Asn Val
275 280 285

Gln Val Leu Asp Leu Leu Ser Glu Leu Lys Asp Val Thr Ala Lys Lys
290 295 300

Asp Leu Glu Leu Arg Arg Ser Phe Ala Gln Val Leu Glu Leu Ser Ala
305 310 315 320

Glu Ala Ser Lys Glu Ala Ala Leu Ala Asn Gln Glu Val Trp Glu Glu
325 330 335

Thr Gln Gly Met Ala Pro Pro Ser Arg Trp Tyr Phe Asn Gln Asp Ser
340 345 350

Ala Cys Arg Glu Ser Gly Gly Ala Pro Lys Asn Thr Pro Leu Ser Glu
355 360 365

Asp Asp Asn Pro Gly Ala Ser Ser Ala Pro Ala Gln Ala Thr Phe Ile
370 375 380

Ser Pro Ser Glu Asp Phe Ser Ser Ser Gln Ala Glu Val Pro Pro
385 390 395 400

Ser Leu Ser Arg Ser Gly Arg Asp Leu Ser
405 410

<210> 3051
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3051
Met Phe Cys Trp Cys Gly Leu Cys Thr Ser Gly Met Val Thr Thr Gly
1 5 10 15
Gly Ser Pro Gln Lys His Ser Phe Phe Tyr Thr Ser Ser Gln Gly His
20 25 30
Val Ser Cys Pro Ser Leu Pro Gly Cys Gly Gln Lys Val Ile Cys Ser
35 40 45
Trp Pro Ser Gly Gly Gly Pro Glu Ser Glu Glu Met Ala Gln
50 55 60
Gly Gln
65

<210> 3052
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3052
Met Phe Cys Trp Cys Gly Leu Cys Thr Ser Gly Met Val Thr Thr Gly
1 5 10 15
Gly Ser Pro Gln Lys His Ser Phe Phe Tyr Thr Ser Ser Gln Gly His
20 25 30
Val Ser Cys Pro Ser Leu Pro Gly Cys Gly Gln Lys Val Ile Cys Ser
35 40 45
Trp Pro Ser Gly Gly Gly Pro Glu Ser Glu Glu Met Ala Gln
50 55 60
Gly Gln
65

<210> 3053
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3053
Gly Phe Leu Gly Ile Leu Tyr Leu Thr Ile Phe Ile Leu Tyr Gln Thr
1 5 10 15
His Leu Gln Phe Leu Gly Leu Leu Val Lys Thr Phe Phe
20 25

<210> 3054
<211> 83
<212> PRT
<213> Homo sapiens

<400> 3054

Pro Pro Asp Ser Arg Lys Val Leu Arg Leu Asn Gly Val Ser Ser Val
1 5 10 15

Tyr Ala Ala Leu Ala Leu His Leu Arg Val Pro Gly Arg His Leu Ser
20 25 30

Leu Gly Phe Ile Phe His Gly Asp Met Thr Cys Trp Leu Lys His Tyr
35 40 45

Ser Val Leu Phe Leu Val Gly Thr Gly Thr Glu Leu Glu Leu Phe Trp
50 55 60

Ser Val Pro Ser Tyr Leu Lys Met Leu Cys Cys Thr Ile Ile Leu Lys
65 70 75 80

Asn Tyr Lys

<210> 3055
<211> 61
<212> PRT
<213> Homo sapiens

<400> 3055
Met Pro Pro Asn Ala Leu Leu Leu Ser Ser Val Leu Asn Phe Phe Leu
1 5 10 15

Leu Thr Ser Phe Val Cys Asn Val Lys Arg Val Glu Lys His His Ser
20 25 30

Ser Gln Met Tyr Ser Phe Cys Met Lys Lys Thr Glu Ile Tyr Ile Ala
35 40 45

Gly Ser Gly Ile Cys Pro Val Ser Tyr Ser Trp Leu Val
50 55 60

<210> 3056
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3056
Cys Val Cys Val Phe Ile Cys Phe Leu Pro Ser Gln Phe Phe Ser Pro
1 5 10 15

Leu Pro Thr Thr Thr Met Thr Pro Ser Arg Glu Thr Ile Asn Val Pro
20 25 30

Ile Met Phe Val
35

<210> 3057
<211> 61
<212> PRT
<213> Homo sapiens

<400> 3057
Met Thr Ile Met Phe Pro Gln Leu Phe Tyr Phe Pro Thr Ser Phe Ala
1 5 10 15
Val Leu Ser Val Ala Gly Arg Arg Lys Cys Cys Trp Leu Ala Gln Lys
20 25 30
Lys Leu Leu Leu Leu Arg Leu Leu Leu Ser Ala Ile Ser Val Thr
35 40 45
Ile Glu Thr Gly Ala Val Tyr Ala Arg Gly Ala Gly Ser
50 55 60

<210> 3058
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3058
Met Gly Cys Ile Ile Ala Thr
1 5

<210> 3059
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3059
Met Phe Ser Pro His Met Tyr Ile Cys His Met
1 5 10

<210> 3060
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3060
Met Arg Met Cys Val Cys Thr Ser Leu Ser Leu Cys Gly Met Cys Val
1 5 10 15

<210> 3061
<211> 47
<212> PRT
<213> Homo sapiens

<400> 3061
Met Ser Ser Arg Pro Val Leu Trp Leu Met Leu Leu Val Gly Trp Met
1 5 10 15

Trp Ile Lys Lys Leu Cys Asn Thr Gly Gly Thr Gln Met Cys Leu Gly
20 25 30

Leu Gly Thr Ala Pro Thr Phe Leu Arg Gln Arg Pro Leu Leu Gln
35 40 45

<210> 3062

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3062

Met Thr Ser Ala Phe Leu Ile His Leu Thr Leu Val Leu Val Pro Thr
1 5 10 15

Val Asn Lys Thr Gln Thr Leu Gly Ser Lys Ile Ser Cys Ser Arg
20 25 30

<210> 3063

<211> 8

<212> PRT

<213> Homo sapiens

<400> 3063

Ser Trp Leu Lys Lys Leu Tyr Phe
1 5

<210> 3064

<211> 42

<212> PRT

<213> Homo sapiens

<400> 3064

Met Glu Val Leu Gln Ser Val Leu Leu Leu Leu Phe Ser Ser Leu
1 5 10 15

Ile Ser Ser Val Phe Leu Ile Ser Val Val Ile Ser Gly Gln Leu Met
20 25 30

Ala Ala Gln Gly Thr Gly Ile Cys Leu Ala
35 40

<210> 3065

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3065

Met Phe Thr Leu Leu Phe Phe Leu Val Thr Tyr Ile Leu Ile Thr Gly
1 5 10 15

Met Leu Lys

<210> 3066
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3066
Met Leu Gln Leu Phe Leu Ala Ser Phe Ile Val Leu Leu Gln Ile Leu
1 5 10 15
Ile Pro Phe Val Leu Val Met Cys Ala Phe Glu Ala Val Gln Leu Thr
20 25 30
Thr Gln Leu Ser Ser Lys Arg
35

<210> 3067
<211> 305
<212> PRT
<213> Homo sapiens

<400> 3067
Met Glu Ser His Val Phe Leu Lys Ala Lys Thr Arg Asp Glu Tyr Leu
1 5 10 15
Ser Leu Val Ala Arg Leu Ile Ile His Phe Arg Asp Ile His Asn Lys
20 25 30
Lys Ser Gln Ala Ser Val Ser Asp Pro Met Asn Ala Leu Gln Ser Leu
35 40 45
Thr Gly Gly Pro Ala Ala Gly Ala Ala Gly Ile Gly Met Pro Pro Arg
50 55 60
Gly Pro Gly Gln Ser Leu Gly Gly Met Gly Ser Leu Gly Ala Met Gly
65 70 75 80
Gln Pro Met Ser Leu Ser Gly Gln Pro Pro Pro Gly Thr Ser Gly Met
85 90 95
Ala Pro His Ser Met Ala Val Val Ser Thr Ala Thr Pro Gln Thr Gln
100 105 110
Leu Gln Leu Gln Gln Val Ala Leu Gln Gln Gln Gln Gln Gln Gln
115 120 125
Phe Gln Gln Gln Gln Ala Ala Leu Gln Gln Gln Gln Gln Gln
130 135 140
Gln Gln Gln Gln Phe Gln Ala Gln Ser Ala Met Gln Gln Gln Phe
145 150 155 160
Gln Ala Val Val Gln Gln Gln Gln Leu Gln Gln Gln Gln Gln
165 170 175
Gln Gln His Leu Ile Lys Leu His His Gln Asn Gln Gln Ile Gln
180 185 190

Gln Gln Gln Gln Gln Leu Gln Arg Ile Ala Gln Leu Gln Gln
195 200 205

Gln Ala Leu
210 215 220

Gln Ala Gln Pro Pro Ile Gln Gln Pro Pro Met Gln Gln Pro Gln Pro
225 230 235 240

Pro Pro Ser Gln Ala Leu Pro Gln Gln Leu Gln Gln Met His His Thr
245 250 255

Gln His His Gln Pro Pro Gln Pro Gln Gln Pro Pro Val Ala Gln
260 265 270

Asn Gln Pro Ser Gln Leu Pro Pro Gln Ser Gln Thr Gln Pro Leu Val
275 280 285

Ser Gln Ala Gln Ala Leu Pro Gly Gln Met Leu Tyr Thr Gln Pro Pro
290 295 300

Ile
305

<210> 3068
<211> 4
<212> PRT
<213> Homo sapiens

<400> 3068
Met Val Cys Ala
1

<210> 3069
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3069
Met Tyr Phe Ile Pro Leu Leu His Ile Gly Gln Ile Ala Met Cys Met
1 5 10 15

His Ile Leu Phe Ser
20

<210> 3070
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3070
Met Tyr Phe Ile Pro Leu Leu His Ile Gly Gln Ile Ala Met Cys Met
1 5 10 15

His Ile Leu Phe Ser
20

<210> 3071
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3071
Met Lys Gly Ala Asp Lys Ser Ser Thr Leu Ile Leu Cys Phe Leu Ser
1 5 10 15

Val Leu Pro Cys Cys His Leu His Gly
20 25

<210> 3072
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3072
Met Lys Gly Ala Asp Lys Ser Ser Thr Leu Ile Leu Cys Phe Leu Ser
1 5 10 15

Val Leu Pro Cys Cys His Leu His Gly
20 25

<210> 3073
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3073
Met Xaa His Leu Gly Leu Trp Gly Val Ile Leu Lys Leu Val Val Pro
1 5 10 15
Gly Asn His Gly Pro Leu Ala Leu Ile Asn Pro Ser Phe Asn Gly Leu
20 25 30
Leu His Pro Asp Thr Lys Val
35

<210> 3074
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3074

Met Glu Phe Leu Ser Leu Glu Leu Ala
1 5

<210> 3075
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3075
Met Ile Arg Leu Ser Ala Met Leu Leu Val Glu Met His Val Asn Leu
1 5 10 15

Pro Ala Ser Leu Ser Val Phe Leu Asp Ser Gly Gln Leu Lys Ser Pro
20 25 30

Asn Thr Phe Thr Phe Ala Thr Gln Arg Gly Ser Ser
35 40

<210> 3076
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3076
Met Val Phe Ile Phe Leu Leu Ser Ile Leu Phe Val Ser Ala Leu Val
1 5 10 15

Phe Ile Thr Ser Phe Leu Leu Ala Leu Asp Leu Ala Cys Ser Ser
20 25 30

Leu Phe Arg Phe Leu Val Val
35

<210> 3077
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3077
Met Asp Gly Trp His Glu Ile Leu Lys Lys Ile Leu Leu Phe Gln
1 5 10 15

Lys Cys His Ser Ser Pro Leu Lys Val Gln Glu Thr Trp Leu Ser Ser
20 25 30

Val Val Tyr Gly Gly Ala Trp Ala Ser Glu Ser Gly Gln Arg
35 40 45

<210> 3078
<211> 95
<212> PRT
<213> Homo sapiens

<400> 3078
Met Phe His Val Leu Met Ala Gln Val Thr Thr Val Ile Ile Thr Thr
1 5 10 15
Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu
20 25 30
Glu Ala Pro Ser Val Leu Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys
35 40 45
Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu
50 55 60
Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu
65 70 75 80
Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe
85 90 95

<210> 3079
<211> 194
<212> PRT
<213> Homo sapiens

<400> 3079
Met Leu Ala Ala Val Gly Arg Pro Lys Pro Arg Ser Pro Leu Ser Ser
1 5 10 15
Leu Ser Thr Leu Gln Leu Tyr Leu Phe Cys Ser Ser Thr Arg Arg Ala
20 25 30
Asp Met Asp Pro Asn Pro Arg Ala Ala Leu Glu Arg Gln Gln Leu Arg
35 40 45
Leu Arg Glu Arg Gln Lys Phe Phe Glu Asp Ile Leu Gln Pro Glu Thr
50 55 60
Glu Phe Val Phe Pro Leu Ser His Leu His Leu Glu Ser Gln Arg Pro
65 70 75 80
Pro Ile Gly Ser Ile Ser Ser Met Glu Val Asn Val Asp Thr Leu Glu
85 90 95
Gln Val Glu Leu Ile Asp Leu Gly Asp Pro Asp Ala Ala Asp Val Phe
100 105 110
Leu Pro Cys Glu Asp Pro Pro Thr Pro Gln Ser Ser Gly Val Asp
115 120 125
Asn His Leu Glu Glu Leu Ser Leu Pro Val Pro Thr Ser Asp Arg Thr
130 135 140
Thr Ser Arg Thr Ser Ser Ser Ser Asp Ser Ser Thr Asn Leu
145 150 155 160
His Ser Pro Asn Pro Ser Asp Asp Gly Ala Asp Thr Pro Leu Ala Gln
165 170 175
Ser Asp Glu Glu Glu Arg Gly Asp Gly Gly Ala Glu Pro Gly Ala

180

185

190

Cys Ser

<210> 3080
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3080
Met Gly Val Arg Ser Arg Ala Trp Ala Phe Leu Thr Phe Thr Ser Thr
1 5 10 15
Leu Ala Thr Arg Ser Arg
20

<210> 3081
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3081
Met Pro Gly Val Gly Trp Ala Gln Ala Leu Lys Ser Pro Phe Cys Leu
1 5 10 15
Val Val Leu His Leu Ala Leu Pro Gly Leu Trp Cys Arg Leu Gly Val
20 25 30
Asp Leu Ser Ser Val Ile Tyr Val Cys Cys Leu Ala Pro Arg Trp Leu
35 40 45
Cys Gly Gln Val Leu Ala Lys Asp Ile Ile
50 55

<210> 3082
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3082
Met Pro Gly Val Gly Trp Ala Gln Ala Leu Lys Ser Pro Phe Cys Leu
1 5 10 15
Val Val Leu His Leu Ala Leu Pro Gly Leu Trp Cys Arg Leu Gly Val
20 25 30
Asp Leu Ser Ser Val Ile Tyr Val Cys Cys Leu Ala Pro Arg Trp Leu
35 40 45
Cys Gly Gln Val Leu Ala Lys Asp Ile Ile
50 55

<210> 3083
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3083
Met Pro Gly Val Gly Trp Ala Gln Ala Leu Lys Ser Pro Phe Cys Leu
1 5 10 15
Val Val Leu His Leu Ala Leu Pro Gly Leu Trp Cys Arg Leu Gly Val
20 25 30
Asp Leu Ser Ser Val Ile Tyr Val Cys Cys Leu Ala Pro Arg Trp Leu
35 40 45
Cys Gly Gln Val Leu Ala Lys Asp Ile Ile
50 55

<210> 3084
<211> 443
<212> PRT
<213> Homo sapiens

<400> 3084
Met Ala His His Leu Tyr Val Leu Gln Ala Leu Met Leu Gly Leu Leu
1 5 10 15
Glu Pro Arg Met Arg Thr Pro Leu Asp Pro Tyr Ser Gln Glu Gln Arg
20 25 30
Glu Gln Leu Gln Val Leu Arg Gln Ala Ala Phe Glu Val Glu Gly Glu
35 40 45
Ser Ser Gly Ala Gly Leu Ser Ala Asp Arg Arg Arg Ser Leu Cys Ala
50 55 60
Arg Glu Phe Arg Lys Leu Gly Phe Ser Asn Ser Asn Pro Ala Gln Asp
65 70 75 80
Leu Glu Arg Val Pro Pro Gly Leu Leu Ala Leu Asp Asn Met Leu Tyr
85 90 95
Phe Ser Arg Asn Ala Pro Ser Ala Tyr Ser Arg Phe Val Leu Glu Asn
100 105 110
Ser Ser Arg Glu Asp Lys His Glu Cys Pro Phe Ala Arg Gly Ser Ile
115 120 125
Gln Leu Thr Val Leu Leu Cys Glu Leu Leu Arg Val Gly Glu Pro Cys
130 135 140
Ser Glu Thr Ala Gln Asp Phe Ser Pro Met Phe Phe Gly Gln Asp Gln
145 150 155 160
Ser Phe His Glu Leu Phe Cys Val Gly Ile Gln Leu Leu Asn Lys Thr
165 170 175
Trp Lys Glu Met Arg Ala Thr Gln Glu Asp Phe Asp Lys Val Met Gln
180 185 190

Val Val Arg Glu Gln Leu Ala Arg Thr Leu Ala Leu Lys Pro Thr Ser
 195 200 205
 Leu Glu Leu Phe Arg Thr Lys Val Asn Ala Leu Thr Tyr Gly Glu Val
 210 215 220
 Leu Arg Leu Arg Gln Thr Glu Arg Leu His Gln Glu Gly Thr Leu Ala
 225 230 235 240
 Pro Pro Ile Leu Glu Leu Arg Glu Lys Leu Lys Pro Glu Leu Met Gly
 245 250 255
 Leu Ile Arg Gln Gln Arg Leu Leu Arg Leu Cys Glu Gly Thr Leu Phe
 260 265 270
 Arg Lys Ile Ser Ser Arg Arg Arg Gln Asp Lys Leu Trp Phe Cys Cys
 275 280 285
 Leu Ser Pro Asn His Lys Leu Leu Gln Tyr Gly Asp Met Glu Glu Gly
 290 295 300
 Ala Ser Pro Pro Thr Leu Glu Ser Leu Pro Glu Gln Leu Pro Val Ala
 305 310 315 320
 Asp Met Arg Ala Leu Leu Thr Gly Lys Asp Cys Pro His Val Arg Glu
 325 330 335
 Lys Gly Ser Gly Lys Gln Asn Lys Asp Leu Tyr Glu Leu Ala Phe Ser
 340 345 350
 Ile Ser Tyr Asp Arg Gly Glu Glu Ala Tyr Leu Asn Phe Ile Ala
 355 360 365
 Pro Ser Lys Arg Glu Phe Tyr Leu Trp Thr Asp Gly Leu Ser Ala Leu
 370 375 380
 Leu Gly Ser Pro Met Gly Ser Glu Gln Thr Arg Leu Asp Leu Glu Gln
 385 390 395 400
 Leu Leu Thr Met Glu Thr Lys Leu Arg Leu Leu Glu Leu Asn Val
 405 410 415
 Pro Ile Pro Glu Arg Pro Pro Val Pro Pro Pro Pro Thr Asn Phe
 420 425 430
 Asn Phe Cys Tyr Asp Cys Ser Ile Ala Glu Pro
 435 440

<210> 3085
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 3085
 Met Lys Ile Pro Leu Tyr Trp Arg Ser His Glu Met Gly Leu Ser Tyr
 1 5 10 15
 Thr Cys Leu Leu Trp His Ala Ile Trp Gln Gln Gly Trp Gly Gly

20

25

30

<210> 3086
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3086
Met Leu Leu Pro Leu Cys Trp Ser Ser Ser Tyr Ser Ile Phe Ile Phe
1 5 10 15
Trp Ala Thr Glu Arg Asp Ser Cys Leu Glu Lys Lys Lys Lys Lys
20 25 30

<210> 3087
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3087
Leu Ile Val Leu Leu Val Val Phe Leu Pro Gln Ser Ser Asp Ser Ser
1 5 10 15
Ser Ala Pro Arg Thr Gln Asp Ala Gly Ile Ala Ser Gly Pro Gly Asn
20 25 30

<210> 3088
<211> 51
<212> PRT
<213> Homo sapiens

<400> 3088
Met Pro Gly Arg Arg Pro Pro Leu Ala Met Trp Gln Pro Leu Leu Leu
1 5 10 15
Cys Leu Thr Ser Ala Phe Gln Arg Ala Pro Ile Leu Leu Ser His Lys
20 25 30
Ile Asn Leu Met Pro Ser Gly Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Lys Lys
50

<210> 3089
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3089

Met Pro Arg Pro Ala Cys Leu Leu Ile Phe Ile Ser Gly His Thr Leu
1 5 10 15

Leu Ala Leu Pro Val Cys Pro Ala Pro Ala His Ala Pro Pro Pro Arg
20 25 30

Ala Ala Ser Val Leu
35

<210> 3090
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3090
Met Thr Arg Leu Leu Val Ala Leu Leu Phe Ser Ser Phe Leu Lys Leu
1 5 10 15

Arg Glu Val Glu Ser Ile Ser Lys Ile Lys Asn Lys Met Ser Lys Arg
20 25 30

Gln Asp Leu Arg Thr Gly Trp Ala Cys Ser Asn Met Thr Ala Cys Thr
35 40 45

Leu Trp Gly Lys Ile Tyr Trp Ser Ser Gln Val
50 55

<210> 3091
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3091
Lys Ala Ala Leu Ser Gly Ser Glu Ile Met Cys His Phe Trp Trp Val
1 5 10 15

Ala Gly Pro Ala Ile Ala Asn Tyr His Lys Gln Lys Cys Ile Leu Leu
20 25 30

Tyr Asn Ser Gly Gly Lys Val
35

<210> 3092
<211> 120
<212> PRT
<213> Homo sapiens

<400> 3092
Gln Gly Arg Val Val Pro Val His Leu Val Leu Leu Pro Gly Val Leu
1 5 10 15

Ile Pro His Gly Pro Pro Met Cys Gly Pro Asp Pro Lys Tyr Pro Gln
20 25 30

Asp Asn His Glu His Gln Glu Ala Asp Ala His His Asp His Asn Cys

35 40 45
Arg Ser Ala Gly Asp Asp Cys Gly Arg Met Arg Gly Arg Asp Ala Arg
50 55 60

Ser Leu Gly Pro Glu Gly His Cys Ala Leu Asp Leu Leu Gly Cys Ala
65 70 75 80

Trp Ser Lys Arg Ala Gly Gln His Ala Ser Ala Glu Pro Thr Gly Gln
85 90 95

Glu Glu Ile Pro Gly Lys Ala Arg His Gly Pro Pro Thr Trp Leu Gly
100 105 110

His Val Leu Leu His Ser Cys Gly
115 120

<210> 3093
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3093
Met Phe Leu Gln Gln Leu Trp Trp Gln Leu Ser Leu Arg Asn Leu Trp
1 5 10 15

Cys Val Val Gly Ser Tyr Gln Asn Lys Lys Cys Arg His Phe Pro Phe
20 25 30

Phe Trp Gly Xaa Xaa Val Gly Gly Xaa Ala Leu Pro Ser
35 40 45

<210> 3094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3094
Met Ala Cys Phe Leu Ala Val Val Met Trp Val Phe Leu Pro Val Gly
1 5 10 15

Ser Cys Pro Leu

<210> 3095
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3095
Met Pro Ile Thr Tyr Pro Phe Cys Ile Leu Glu Ile Ile Ile Ile Leu
1 5 10 15
Tyr Cys Leu Pro Pro Ser Pro Val Phe Gly Thr Leu Glu Ser Thr Thr
20 25 30
Asn Cys Leu Tyr Glu Lys Lys Lys Lys Asn Ser
35 40

<210> 3096
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3096
Met Ala Leu Asn Thr Ile Ser His Gln Ile Tyr Leu Pro Pro Gly Pro
1 5 10 15
Leu Pro Cys Pro Trp Ala Ser Cys Ile Leu Leu Pro Thr Cys Thr Tyr
20 25 30
Val Trp Thr
35

<210> 3097
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3097
Thr Lys Pro Pro Leu Ser Val Leu Phe Trp Gly Val Gly Trp Val Cys
1 5 10 15
Val Trp Gly Trp Val Gly Met Gly Asn Pro Ser Pro Ser Arg Ser Trp
20 25 30
Gly

<210> 3098
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3098

Met Ile Ile Leu Asn Thr Ile Lys Val Leu Ile Leu Phe Val Phe Val
1 5 10 15

Phe Met Met Cys Asp Asn Ile Leu Gly Ile Thr Gln Lys Glu Leu Tyr
20 25 30

Phe Phe Lys Lys Phe Thr Phe
35

<210> 3099
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3099
Met Trp Leu Gln Gly Leu Pro Ala Ala Ile Leu His Ala Ala Gly Ser
1 5 10 15

Ala Phe His Asp Pro Arg Gln Gln Pro Gly Pro His Ser
20 25

<210> 3100
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3100
Met Ile Gly Cys Val Ile Pro Tyr Ile Leu Ile Leu Asn Tyr Ile Ile
1 5 10 15

Gly Gly Ser Phe Cys Phe Thr Leu Met Cys Pro Gly Asp Ser Cys Leu
20 25 30

Ala

<210> 3101
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3101
Met Met Val Ile Val Cys Val Ile Val Gln Lys Ala Leu Ser Val Pro
1 5 10 15

Ser Pro Leu Gln Gly Thr Leu Leu Thr Pro Ile Leu Gln Gly Leu Leu
20 25 30

Gln Met Pro Phe Ser Pro Gly Lys Pro Phe Arg Ile Leu Ser Trp Ile
35 40 45

<210> 3102
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3102
Met His Thr His Gly Ser Cys Leu Ser Met His Trp Phe Cys His Trp
1 5 10 15
Arg Pro Gly Ile Arg Pro Cys Trp Gly Ala Gly Ala Val Arg Leu Arg
20 25 30
Leu Ile Leu Ala Arg Ala His Thr Ser Lys Gly Gln Ala Gly Ser Ala
35 40 45

Trp

<210> 3103
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3103
Met Ala Ala Cys Cys Ser Ala Leu Leu Leu Phe Pro Pro Cys Phe
1 5 10 15
His Leu Cys Ser Leu Glu Ala Phe Pro Ser Trp Cys Val Gln Asp Ser
20 25 30

Ser Trp

<210> 3104
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3104
Met Ala Ala Cys Cys Ser Ala Leu Leu Leu Phe Pro Pro Cys Phe
1 5 10 15
His Leu Cys Ser Leu Glu Ala Phe Pro Ser Trp Cys Val Gln Asp Ser
20 25 30

Ser Trp

<210> 3105
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3105

Leu Leu Leu His Ser Val His Leu Leu Leu Tyr Glu Met Thr Leu Arg
1 5 10 15

Pro Pro Ile Leu Leu
20

<210> 3106
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3106
Met Thr Gln Asn Asp Leu Ala Ala Val Leu Leu Arg Trp Arg Arg Pro
1 5 10 15

Gly Leu Gly Trp Cys Ser Arg Leu Leu Thr Ala Cys Cys Leu Pro Thr
20 25 30

Leu Pro Ala Ser
35

<210> 3107
<211> 4
<212> PRT
<213> Homo sapiens

<400> 3107
Met Cys Ala Phe
1

<210> 3108
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3108
Pro Gln Val Val Cys Arg Val Val Phe Thr Pro Cys Gln Ser Pro His
1 5 10 15
Ser Pro Ala Arg Gln Thr Val Phe Asn Ser Phe His Gly
20 25

<210> 3109
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3109
Glu Trp Gly Gly Leu Arg Lys Leu Ile Ile Cys Ala Cys Phe Pro Phe
1 5 10 15
Thr Phe Cys His Asp Cys Lys Phe Leu Lys Pro Pro Gln Pro Phe Leu
20 25 30

Thr Ala Asn Arg Thr Val Ser Lys Ser Asn Phe Leu Ser Phe Ser Leu
35 40 45

Arg

<210> 3110
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3110
Cys Leu Gln Ile Ala Ser Cys Phe Pro Phe Cys Gln Ile Leu Ile Ile
1 5 10 15

Phe Phe Phe Gln Lys Gly Lys Lys His Lys Gln Pro Asn Phe Ile
20 25 30

Phe His Ile Val
35

<210> 3111
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3111
Met Lys Thr Phe Val Cys Ala Phe Asp Leu
1 5 10

<210> 3112
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3112
Met Lys Met Thr Phe Met Tyr Gly Arg Leu Thr Phe Phe Leu Ser Leu
1 5 10 15
Pro Thr Leu Tyr Leu Cys Tyr Phe Tyr Leu Pro Asn Lys Ile Pro
20 25 30

<210> 3113
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3113
Met Ile Trp Ser Ala Gly Arg Trp Thr Tyr Ala Val Leu Phe His Cys
1 5 10 15
Cys Gln Thr Leu Leu Pro Trp Lys Xaa Pro Leu Glu Lys Val Trp His
20 25 30
His Gln Asp Gly Gln Val Gly Ser Gly Leu Ser Val Gln Pro Arg Thr
35 40 45
Gln Pro Pro Val Ser Trp Leu Ala Val Pro Gly Leu Ala Pro Phe Gln
50 55 60
Gln Leu Ser Arg Pro Gly Arg Ser Gly Leu Ser Cys Ser Asp Ser Tyr
65 70 75 80
Ser Leu Ile Leu

<210> 3114
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3114
Met Gln Val Lys Val Pro Ser Gly Arg Leu Ala Val Thr Pro Phe Arg
1 5 10 15
Leu Leu Ala Val Ala Leu Trp Thr Val Ser Phe Leu Pro Leu Pro Leu
20 25 30
Arg Arg Val Val Gly Thr Ala Thr Ser Arg Leu Pro Asp Arg
35 40 45

<210> 3115
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3115
Ser Met Val Trp Leu Leu Gly Trp Cys Leu
1 5 10

<210> 3116
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3116
Met Lys Ser Gly Cys Leu Lys Glu Ser Gly Thr Pro Pro Phe Ser Cys
1 5 10 15
Ser Cys Ser Cys Ser Pro His Asp Val Thr Cys Leu Leu Ser Leu Cys
20 25 30

Val Leu Pro
35

<210> 3117
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3117
Met Val Asn Met Gly Ser Ala Trp Pro Phe Leu Tyr Gly Tyr Phe Ser
1 5 10 15
Leu Lys Met Val Leu Met Phe Ile His Ile Tyr Ser
20 25

<210> 3118
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3118
Met Val Asp Glu Lys Gly Phe
1 5

<210> 3119
<211> 4
<212> PRT
<213> Homo sapiens

<400> 3119
Gly Phe Asp Leu
1

<210> 3120
<211> 60
<212> PRT
<213> Homo sapiens

<400> 3120
Met Gly Ser Trp Ala Pro Gly Thr Ala Met Ala Arg Ala Leu Leu Cys
1 5 10 15
Gly Cys Arg Ser Gly Ser Trp Gly Cys Gly Trp Trp Gly Ser Leu Gly
20 25 30
Gly Ala Ala Ser Pro Ala Glu Gly Leu Phe Arg Ala Leu Gly Ala Val
35 40 45
Ser Arg Gly Ser Pro Leu Cys Val Ser Arg Ala Pro
50 55 60

<210> 3121
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3121
Met Pro Pro Ser Pro Leu Gly Trp Cys Cys Gly Ser Ile Trp Trp Leu
1 5 10 15
Tyr Arg Gln Trp Val Ala Ala Gln Leu Lys Asn
20 25

<210> 3122
<211> 119
<212> PRT
<213> Homo sapiens

<400> 3122
Met Leu Pro Leu Pro Ser Asp Ala Gly Leu Ala Leu Leu Gln Val
1 5 10 15
Cys Phe Ser His Ser Cys Gly Cys Arg Asn Leu Ile Tyr Arg Glu Glu
20 25 30
Pro Val Ala Ala Ala Ala Pro Ala Thr Ala Ala Leu Thr Val Leu Thr
35 40 45
Thr His Leu Gly Gln Pro Ser Leu Ala Gly Ala Leu Val Ala Ser His
50 55 60
Phe Pro Phe Pro Ser Leu Trp Leu Arg Gly Gly Val Arg Gly Trp Arg
65 70 75 80
Gly Arg Ala Ala Tyr His Gly Leu Gly Leu Glu Glu Asp Glu Phe Val
85 90 95
Asp Leu Asn Lys Glu Phe Val Ile Leu Lys Lys Lys Lys Lys Lys
100 105 110
Lys Lys Lys Lys Lys Lys
115

<210> 3123
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3123
Met Ala Ala Arg Gly Leu
1 5

<210> 3124
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3124
Val Cys Ser Asn Met Arg Ser Arg Ser Gly Thr Ser Ser Pro Ala Arg
1 5 10 15
Trp Gly Pro Ala Thr Ser Arg Ile Thr Trp Pro Ser Cys Ser Ile Thr
20 25 30
Val Arg Glu Pro
35

<210> 3125
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3125
Met Gly Leu Val Arg Tyr Val Ser Ile Ser Leu Cys Trp Phe Phe Cys
1 5 10 15
Leu Gln Lys Pro Arg Phe Leu Phe Glu Lys Lys Lys Lys Lys
20 25 30
Lys Xaa Gly Gly Leu Xaa Xaa Gly Pro Gly Ala His Gly Phe Ser His
35 40 45

Pro

<210> 3126
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3126

Met Gly Leu Val Arg Tyr Val Ser Ile Ser Leu Cys Trp Phe Phe Cys
1 5 10 15

Leu Gln Lys Pro Arg Phe Leu Phe Leu Phe Glu Lys Lys Lys Lys
20 25 30

Lys Xaa Gly Gly Leu Xaa Xaa Gly Pro Gly Ala His Gly Phe Ser His
35 40 45

Pro

<210> 3127

<211> 43

<212> PRT

<213> Homo sapiens

<400> 3127

Met Asn Gln Cys Arg Cys Ile Gln Phe Phe Trp Lys Trp Lys Leu
1 5 10 15

His Phe Ile Ile Val Ile Leu Arg Val Ile Gln Asp Phe Glu Lys Ser
20 25 30

Phe Gly Lys Asn Arg Lys Met Leu Glu Lys Ile
35 40

<210> 3128

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3128

Met Ser Cys Thr Leu Cys Phe Gly Ser Tyr Val Leu
1 5 10

<210> 3129

<211> 32

<212> PRT

<213> Homo sapiens

<400> 3129

Met Lys Ser Leu Leu Pro Gly Phe Gly Tyr Cys Gln Ser Ser Pro Ala
1 5 10 15

Ser Phe Leu Tyr Pro Phe Leu Ser Phe Pro Ser Leu Pro Arg Ser Ser
20 25 30

<210> 3130
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3130
Met Gly Val Phe Thr Tyr Thr Cys Leu Leu Leu Thr Val Leu Gly Lys
1 5 10 15
Ser Cys Lys Ile Val Thr His Ser Ala Val Ile Ser Leu Phe Leu Phe
20 25 30
Val Lys Asp Ser Lys Lys Lys Lys Asn Ser
35 40

<210> 3131
<211> 41
<212> PRT
<213> Homo sapiens

<400> 3131
Met Thr Ile Ser Ser Gln Phe Leu Phe Phe Ile Phe Tyr Phe His Leu
1 5 10 15
Tyr Val Phe Glu Gly Arg Gly Lys Ile Lys Val Cys Ala His Tyr Thr
20 25 30
Ile Leu Val Phe Pro Lys Ser Val Pro
35 40

<210> 3132
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3132
Met Gly Leu Val Arg Tyr Val Ser Ile Ser Leu Cys Trp Phe Phe Cys
1 5 10 15
Leu Gln Lys Pro Arg Phe Leu Phe Leu Phe Glu Lys Lys Lys Lys Lys
20 25 30

Lys

<210> 3133
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3133
Met Gly Leu Gln Asp Asn Arg Ile Leu Ser Pro Phe Leu Ala Ile Trp
1 5 10 15

Val Leu Phe Phe Lys Ser Phe Gly Leu Gly Arg Ala Leu Phe Phe Phe
20 25 30

Cys Phe Asp Ile Phe Ile Phe Ser Ala Val Thr Gly Cys Gln His Asn
35 40 45

Leu His Gln Leu Glu Ile Arg Asn Gln Lys Lys Lys Lys Ile Leu
50 55 60

Thr Thr
65

<210> 3134
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3134
Met Gly Arg Leu Gly Arg Glu Leu Arg Thr Ala Tyr Leu Leu Phe Ile
1 5 10 15

Leu Arg Leu Ser Tyr Thr Ser Ala Gly Leu Ser Leu Arg Gly Thr Ile
20 25 30

Ser Ser Val Ser Gln Pro Gln
35

<210> 3135
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3135
Met Trp Ile Leu Ser Cys Ile Phe Met Ile Asn Val Ile Val Ala Val
1 5 10 15

Leu Pro Met Arg Val Gly Leu Glu Gly Leu Asn Asn Leu Ser
20 25 30

<210> 3136
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3136
Met Pro Leu Asn Ser Leu Pro Gln Leu Ala Phe His Trp Glu Leu Pro
1 5 10 15

Leu Gln Phe Leu Val Val Leu Val Cys Met Thr Leu Gly Ile Thr Val
20 25 30

His His Pro His Gln Ser
35

<210> 3137
<211> 243
<212> PRT
<213> Homo sapiens

<400> 3137
Leu Ala Ala Leu Ser Leu His Ala Ala Gly Ser Val Leu Gly Val Pro
1 5 10 15
Pro Arg Ala Ala Val His Pro Ala Arg Arg Gly Arg Pro Ala Ala Gly
20 25 30
Pro Gly Gly Leu Leu His Leu Pro Gly Gly Gln Pro Pro Glu Gly Pro
35 40 45
Val Pro Pro His Gly Trp Ala Leu Pro His Leu Gly Gln Glu Ala Gln
50 55 60
Gly His Arg Val Leu Leu His Ile Arg Arg Arg Ala Glu Ala Pro Gln
65 70 75 80
Gln Ala Ala Gly Val Gly Leu Leu Gly Arg Gly Pro Pro Leu Gln Leu
85 90 95
Arg Arg Arg Pro Asp Gly Gln Pro Gly Leu Leu Pro Gly Leu Trp Arg
100 105 110
Trp Pro Pro Ala Ala Leu Leu Leu His His Leu His Gly His Pro Ala
115 120 125
Asp Pro Pro Leu Pro Pro Gly Arg Ala Pro Leu Arg Gln Gln Val Arg
130 135 140
Pro Gly Leu Gly Ala Leu His Arg Arg Ser Ala Leu Pro Pro Ala Ala
145 150 155 160
Trp Asn Leu Leu Arg Ala Arg Pro Arg Glu Lys Pro Cys Gly Ala Val
165 170 175
Lys Ser Val Phe Cys Gln Val His Gly Gly Trp His Pro Ser Ser Asn
180 185 190
Ser Arg Ser Leu Ser Phe Leu Ile Cys Lys Leu Glu Arg Ala Gln His
195 200 205
Leu Ala Gly Val Gln Tyr Leu Ile Thr Leu Cys Ser Leu Leu Leu Pro
210 215 220
Ser Arg Glu Phe Arg Val Ser Ser Thr Ala Val Leu Pro Ala Gln Thr
225 230 235 240
Asp Phe Leu

<210> 3138
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3138
Met Leu Cys Ser Trp Phe Phe Leu Pro Leu Phe Leu Thr Ile Leu Asn
1 5 10 15
Ile Ala Thr Thr Ser Thr Leu Cys Lys His Gln Val Cys Ala Pro Tyr
20 25 30

Thr

<210> 3139
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3139
Val Ser Leu Ser Cys Phe Leu Thr Leu Leu Pro Gly Leu Leu Cys Val
1 5 10 15
His Leu Arg Leu Ala Trp Ser Lys Gln Val Arg Pro Leu Leu Tyr
20 25 30
Ser Leu Val Leu Phe Trp His Leu Val Lys Leu Ala
35 40

<210> 3140
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3140
Met Asp Leu Ser His Leu Leu Ala Leu Trp Cys His Pro Gly Leu His
1 5 10 15
Cys Cys Trp Thr Cys Cys Ser Ser Pro Ser Gln Thr Thr Ser Phe Gln
20 25 30
Ser Pro Phe Gln Phe Leu Leu His Pro Pro Pro Met Ala Ser Asn Ser
35 40 45
Ala Ala Leu Cys Ser Pro Leu Ser Val Leu Ser Pro Glu Phe His Leu
50 55 60
Leu Thr Arg Pro Gly Pro Leu Leu Pro Phe Pro Gln Ala Leu Gln Leu
65 70 75 80

Phe Phe Arg Thr Glu Ser Leu Asn Ser Pro Phe Ile Leu Leu Leu
85 90 95

His Leu Gln Lys
100 105 110

Lys Lys Lys Lys Xaa
115

<210> 3141
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3141
Met Tyr Leu Ser Ile Ser Ile Phe Phe Gly Phe Cys Ile Ile Ser
1 5 10 15

Cys Lys Cys Ile Val Lys Asn Phe Ile Phe Gly Val Ala Met Arg Gly
20 25 30

Gly Glu Val Arg Leu Cys Thr
35

<210> 3142
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3142
Met Pro Arg Gly Phe Thr Trp Leu Arg Tyr Leu Gly Ile Phe Leu Gly
1 5 10 15

Val Ala Leu Gly Asn Glu Pro Ser Glu Asn Val Ala Leu Asp Ala Glu
20 25 30

<210> 3143
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3143
Met Gln Cys Ile Ile Ile Phe Ser Ile Leu Phe Cys Leu Phe Phe Cys
1 5 10 15

Ser Cys Leu Thr Gln Asn Ile Lys Leu Val Leu Gln Pro Thr Ile
20 25 30

<210> 3144
<211> 50

<212> PRT
<213> Homo sapiens

<400> 3144
Met Trp Ile Pro Leu Arg Pro Ala Pro Leu His Trp Ser Trp Arg Leu
1 5 10 15
Ile Trp Glu Ala Val Cys Ala Leu Ala Pro Glu Gly Thr Trp Ser Thr
20 25 30
Pro His Leu Glu Asn Pro His Pro Glu His Ser Phe Pro Gly Ala Pro
35 40 45
Leu Thr
50

<210> 3145
<211> 85
<212> PRT
<213> Homo sapiens

<400> 3145
Met Val Gly Gly Pro Pro Phe Val Gly Pro Val Gly Phe Gly Pro Gly
1 5 10 15
Asp Arg Ser His Leu Asp Ser Pro Glu Ala Arg Glu Pro Cys Ser Cys
20 25 30
Gly Gly Gln Leu Trp Pro Pro Arg Gly Pro Leu Ser Cys Val Gln Pro
35 40 45
Ser Ser Pro Thr Cys Tyr Arg Glu Gln Gln Pro Ala Pro Ala Leu Trp
50 55 60
Pro Tyr Gly Pro Leu Thr Arg Pro Ser Trp Ala Pro Leu Cys Leu Gly
65 70 75 80
Pro Leu Asp His Pro
85

<210> 3146
<211> 67
<212> PRT
<213> Homo sapiens

<400> 3146
Met Val Ser Leu Ala Leu Thr Leu Thr Ile Pro Ser Pro Ile Leu Trp
1 5 10 15
Thr Ile Cys Met Ala Ile Leu Arg Val Arg Thr Pro Cys Glu Arg Pro
20 25 30
Ser Ser Ser Cys Ile Gln Thr Gly Gln Thr Val Thr Thr Leu Arg Pro
35 40 45
Ala Val Lys His Trp Trp His Ser Ser Leu Thr Thr Ser Gly Trp Ser
50 55 60

Pro Gln Trp
65

<210> 3147
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3147
Met Tyr Ile Lys Leu Leu Ile Val Leu Leu Glu Ser Phe Ala Leu Leu
1 5 10 15
Ser Cys Leu Met Glu Gln Phe Leu Met Glu Met Cys
20 25

<210> 3148
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3148
Met Ile Trp Ala Leu Gly Asn Leu Glu Val Leu Gly Leu Cys Leu Cys
1 5 10 15
Ser Ser Ile Phe Ile Arg Lys Glu Ser Ile Gly Leu Leu Gln Gly Ile
20 25 30
Asn Pro Phe Val Thr Tyr His
35

<210> 3149
<211> 54
<212> PRT
<213> Homo sapiens

<400> 3149
Met Lys Ala His Lys Ser Ser Gly Tyr Asn Gly Leu Leu Gly Ile Leu
1 5 10 15
Leu Tyr Leu Ile Tyr Phe Leu Leu Phe Asp Ile Phe Gln Gln Phe Val
20 25 30
Leu Gly Pro Ser Trp Glu Ala Ser Val Ile Leu Lys Leu Gln Ile Cys
35 40 45
Ile Ser Asn Leu Lys Gly
50

<210> 3150
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3150
Met Ser Leu Asn Phe Val Arg Ile Phe Ile Ile Val Phe His Ile Cys
1 5 10 15

Glu Ile Ser Ser Phe Phe Arg Val His Arg Val Ser Leu Phe Tyr Arg
20 25 30

Phe Leu Lys Met Arg Phe
35

<210> 3151
<211> 179
<212> PRT
<213> Homo sapiens

<400> 3151
Met Gly Leu Ile Phe Ala Lys Leu Trp Ser Leu Phe Cys Asn Gln Glu
1 5 10 15

His Lys Val Ile Ile Val Gly Leu Asp Asn Ala Gly Lys Thr Thr Ile
20 25 30

Leu Tyr Gln Phe Leu Met Asn Glu Val Val His Thr Ser Pro Thr Ile
35 40 45

Gly Ser Asn Val Glu Glu Ile Val Val Lys Asn Thr His Phe Leu Met
50 55 60

Trp Asp Ile Gly Gly Gln Glu Ser Leu Arg Ser Ser Trp Asn Thr Tyr
65 70 75 80

Tyr Ser Asn Thr Glu Phe Ile Ile Leu Val Val Asp Ser Ile Asp Arg
85 90 95

Glu Arg Leu Ala Ile Thr Lys Glu Glu Leu Tyr Arg Met Leu Ala His
100 105 110

Glu Asp Leu Arg Lys Ala Ala Val Leu Ile Phe Ala Asn Lys Gln Asp
115 120 125

Met Lys Gly Cys Met Thr Ala Ala Glu Ile Ser Lys Tyr Leu Thr Leu
130 135 140

Ser Ser Ile Lys Asp His Pro Trp His Ile Gln Ser Cys Cys Ala Leu
145 150 155 160

Thr Gly Glu Gly Leu Cys Gln Gly Leu Glu Trp Met Thr Ser Arg Ile
165 170 175

Gly Val Arg

<210> 3152
<211> 81
<212> PRT
<213> Homo sapiens

<400> 3152
Met Phe Asn Phe Gly Ser Pro Met Trp Leu Phe Val Arg Ser Gly Leu
1 5 10 15
Leu Lys Leu Asp Leu Ala Arg Tyr Ser Leu Pro Cys Trp Arg Phe Ile
20 25 30
Pro Thr Asn Gln Leu Cys Gly Leu Trp Gln Pro Asn Gly Lys Trp Lys
35 40 45
Ile Asp Cys Leu Gln Lys Ala Gln Gly Asn Tyr Phe Phe Ala His Cys
50 55 60
Ala Phe Ile Gln Ser Ala Gln Asn Phe Ile Lys Asn Thr Leu Gly Trp
65 70 75 80

Ser

<210> 3153
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3153
Met Phe Ile Tyr Glu Ser Asn Ile Ala Asn Leu Ser Leu Ile Ile Leu
1 5 10 15
Phe Leu Lys His Gln Val Tyr Ser Gln Cys Val Ala Leu Met Thr Ile
20 25 30
Ser Trp Glu Arg Asn Arg Thr Ala Ile Met Thr Asn Gly Lys Asp Ser
35 40 45
Lys Ala Val Ser Asp Gly Lys
50 55

<210> 3154
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3154
Met Ser Leu Leu Pro Ser Met Tyr Leu Leu Cys Ser Thr Val Glu Ile
1 5 10 15
Phe Leu Pro Ile Phe Lys Leu Gly Phe Phe Cys Tyr
20 25

<210> 3155
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3155
Met Thr Gly Cys Leu Cys Thr Val Cys Ile Trp Leu Ser Arg Cys Leu
1 5 10 15

Cys Ala Glu Ser Met Pro Pro Val Gly Ile Arg Phe Tyr Leu Phe
20 25 30

<210> 3156
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3156
Met Ser Leu Trp Met His Arg Leu Thr Ser Leu Ser Leu Gln Ile Leu
1 5 10 15

Ser Ser Ala Glu Gly Ile Ile Ser His Arg Thr Val Met Lys Thr
20 25 30

Lys

<210> 3157
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3157
Met Arg Asn Gln Gly Ala Trp Leu Trp Val Ser Ser Ile Cys Leu Ala
1 5 10 15

Cys Gly Ala Ser Cys Gly Asp Gln
20

<210> 3158
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3158
Met Pro Ala Arg Thr Ser Gly Lys Gln Ser His Ile Cys Glu Asn Ser
1 5 10 15

Gly Arg Arg Cys Ser Leu Leu Leu Val Lys Cys Leu Glu Arg Arg
20 25 30

Gly Arg Ser Pro Thr Lys Gly Thr Pro Ser Gly
35 40

<210> 3159
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3159
Met Met Asn Tyr Leu Leu Lys Leu Phe Thr Val Pro Leu Pro Ala Ile
1 5 10 15
Cys Phe Leu Phe Phe Ser Pro Ala Pro Ser Val Cys His Met Phe
20 25 30

<210> 3160
<211> 56
<212> PRT
<213> Homo sapiens

<400> 3160
Met Pro Thr Trp Val Leu Cys Gly Arg Thr Ser Leu Leu Ser His Ser
1 5 10 15
Trp Cys Gly Ser Gly Gln Gln Met Lys Thr Pro Leu Pro Thr Thr Arg
20 25 30
Ser Pro Thr Ala Leu Ser Val His Leu Ser Leu Ala Ala Thr Ser Thr
35 40 45
Ser Ala Cys Thr Arg Ala Met Glu
50 55

<210> 3161
<211> 63
<212> PRT
<213> Homo sapiens

<400> 3161
Met Leu Pro Gln Met Tyr Leu Lys Ser Arg His Ser Phe Thr Lys Glu
1 5 10 15
Glu Glu Ala Val Leu Phe Cys Leu Ile Ala Leu Val Thr Lys Leu Met
20 25 30
Phe Thr Ser Leu Ser Leu Ala Pro Gly Ser Ala Leu Ile Leu Gln Lys
35 40 45
Thr Glu Leu Lys Ser Gln Ala Tyr Phe Pro Val Gly Leu Cys Leu
50 55 60

<210> 3162
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3162
Gly Leu Val Val Leu Phe Leu Pro Ser Ser Leu Ala Leu Leu Leu Lys
1 5 10 15

Ser His Arg Leu Arg Met Arg Arg Ala Val Lys Asp Thr Ser Ser Ala
20 25 30

Ala Phe

<210> 3163
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3163
Met Cys Gly Val Cys Leu Cys Leu Leu Pro Arg Thr Ile Thr Ser Phe
1 5 10 15

Pro Phe Ser His Ile Thr Ala Leu Leu Ala Ala Ala Val Val Cys Cys
20 25 30

Lys Ser Glu Leu Ile Asn Pro Thr Glu Tyr
35 40

<210> 3164
<211> 100
<212> PRT
<213> Homo sapiens

<400> 3164
Met Trp His Leu Leu Val Phe Ile Val Cys Val Phe Phe Val Tyr Tyr
1 5 10 15

Thr Leu Gly Asn Phe Val Leu Pro Lys Lys Lys Lys Gly Ser Val
20 25 30

Met Ser Asp Thr Gln Glu Lys Gln Ile Ser Val Val Ser Leu Lys Tyr
35 40 45

Asn Phe Lys Gly His Tyr Gln Gln Gln Gly Phe Phe Tyr Thr Leu Lys
50 55 60

Thr Leu Cys Tyr Ile Ser Leu Pro Phe Ser Tyr Phe Gly Val Leu Leu
65 70 75 80

Leu Leu Tyr Asn Gly Ile Asn Gly Asn Val Ile Gln Pro Leu Asn Cys
85 90 95

His Tyr Tyr Ile
100

<210> 3165
<211> 41
<212> PRT
<213> Homo sapiens

<400> 3165

Trp Gly Cys Gln Lys Trp Arg Leu Gln Pro Pro Arg Val Ser Ser Ser
1 5 10 15

Gly Ala Pro Cys Phe Val Pro Pro Ser Cys Ala Ile Gln Arg Gly Pro
20 25 30

Pro Gly Leu Ala Glu Thr Pro Pro Gly
35 40

<210> 3166
<211> 3
<212> PRT
<213> Homo sapiens

<400> 3166
Met Glu Met
1

<210> 3167
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3167
Met Pro Gly Val Phe Phe Phe Val Phe Phe Asn Ser Tyr Phe
1 5 10 15

Gly Cys Ala Leu Val Ser Gln Cys Ser Phe Asn Leu His Phe
20 25 30

<210> 3168
<211> 60
<212> PRT
<213> Homo sapiens

<400> 3168
Met Arg Ser Val Pro Ala Ile Leu Gln Met Leu Trp Ile Leu Arg Arg
1 5 10 15

Ser Thr Asn Trp Thr Leu Tyr Leu Ile Leu His Gly Cys Pro Ala Val
20 25 30

Val Cys Ala Trp Pro Arg Gln His Ala Pro Trp Gly Met Val Arg Leu
35 40 45

Trp Val Pro Thr Ala Ala Pro Ala Ala Leu Ser Pro
50 55 60

<210> 3169
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3169
Met Glu Lys Thr Leu Lys Val Leu Phe Leu Phe Ser His Pro Ala Thr
1 5 10 15
Ile Asn Thr Val Asp Phe Cys Glu Met Cys Gly Val Phe Ser Pro Asp
20 25 30
Thr Lys Gln Val Leu Thr
35

<210> 3170
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3170
Val His Lys Lys His Ser Thr Gly Thr Lys Ser Phe Ser Lys Pro Ala
1 5 10 15
Val Phe Gly Glu His
20

<210> 3171
<211> 57
<212> PRT
<213> Homo sapiens

<400> 3171
Met Ala Leu Asp Ser Ser Thr Leu Val Ala Leu Leu Gly Thr Ala Pro
1 5 10 15
Leu Leu Ala Ala Phe Thr Ala Gly Val Glu Cys Leu Trp Leu Phe Gln
20 25 30
Ala Leu Ser Ala Ser Cys Pro Trp Ile Asp His Ser Gly Val Trp Arg
35 40 45
Thr Val Ala Leu Phe Ser Gln Leu His
50 55

<210> 3172
<211> 51
<212> PRT
<213> Homo sapiens

<400> 3172
Met Ala Pro Cys Cys Trp Ala Leu Trp Val Gly Ser Ala Pro Trp Glu
1 5 10 15
Pro Ala Ser Met Pro Gly Pro His Ser Ser His Ser Cys Trp Ser Leu
20 25 30
Ala Pro Trp Pro Leu Cys Ser Ser Ile Leu Trp Val Trp Gly Arg Arg
35 40 45

Thr Ser Ala
50

<210> 3173
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3173
Met Leu Ala Val Leu Ser Leu Cys Asn Phe Cys Arg Cys Ser Leu Gly
1 5 10 15

Arg Glu Leu Phe Phe Arg Arg Leu Ala Lys Ser Gln Val Leu Ser Leu
20 25 30

Asp Leu Arg
35

<210> 3174
<211> 186
<212> PRT
<213> Homo sapiens

<400> 3174
Leu Ala Gly Arg Leu Pro His Pro Gly Arg Pro Ala Ala Gln Leu Leu
1 5 10 15

Arg Val Cys Arg Thr His Glu Ala Pro Gly Gly His Gly Pro Ala Gly
20 25 30

Leu Gly Ala Ala Ala Thr Leu Pro Ala Pro Ala Arg Pro Glu Arg Leu
35 40 45

Pro Gly Pro Arg Leu Cys Ala Leu Arg Arg Gly Arg Leu Gly His Gly
50 55 60

Ala Gly Ala Leu Arg Pro Ala Arg Val Arg Gly Glu Leu Arg Gln Gly
65 70 75 80

Pro Gly Arg Ala Gln Thr Pro Arg Pro Pro Ser Cys Ser Pro Ser Trp
85 90 95

Ala Ser Leu Thr Ser Ser Arg Gly Arg Pro Arg Ala Ser Trp Arg Gly
100 105 110

Leu Gly Arg Cys Gly Pro Thr Pro Ser Thr Ser Ser Ala Ser Pro Cys
115 120 125

Ser Ser Thr Ala Ser Arg Thr Trp Arg Ala Leu Arg Arg Ala Thr Thr
130 135 140

Ala Ala Ser Trp Ser Ser Ala Ser Ser Leu Ala Ser Pro Thr Ala Trp
145 150 155 160

Trp Gly Pro Cys Ser Ser Arg Cys Ser Trp Pro Ser Trp Ala Pro Thr
165 170 175

Ser Ser Pro Val Pro Leu Ala Trp Cys Cys
180 185

<210> 3175
<211> 57
<212> PRT
<213> Homo sapiens

<400> 3175
Met Thr Leu Leu Leu Ser Leu Thr Pro His Pro Asn Ala His Cys
1 5 10 15

Cys Cys Pro Lys Arg Thr Tyr Gln Cys Val Asp Val Ser Arg Lys Val
20 25 30

Pro Phe Leu Phe Gly Leu Val Val Leu Asp Cys Phe Leu Thr Ser Phe
35 40 45

Asn Phe Ser His Phe Leu Thr Asp Tyr
50 55

<210> 3176
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3176
Glu Lys Ser Arg Lys Val Gly His Ser Trp Ile Tyr Phe Phe Ser
1 5 10 15

Leu Ile Asn Ile Phe Pro Tyr
20

<210> 3177
<211> 453
<212> PRT
<213> Homo sapiens

<400> 3177
Met Ser Ile Val Thr Val Gln Leu Gly Gln Cys Gly Asn Gln Ile Gly
1 5 10 15

Phe Glu Val Phe Asp Ala Leu Leu Ser Asp Ser His Ser Ser Gln Gly
20 25 30

Leu Cys Ser Met Arg Glu Asn Glu Ala Tyr Gln Ala Ser Cys Lys Glu
35 40 45

Arg Phe Phe Ser Glu Glu Asn Gly Val Pro Ile Ala Arg Ala Val
50 55 60

Leu Val Asp Met Glu Pro Lys Val Ile Asn Gln Thr Leu Ser Lys Ala
65 70 75 80

Ala Gln Ser Gly Gln Trp Lys Tyr Gly Gln His Ala Cys Phe Cys Gln

85 90 95

Lys Gln Gly Ser Gly Asn Asn Trp Ala Tyr Gly Tyr Ser Val His Gly
100 105 110

Pro Arg His Glu Glu Ser Ile Met Asn Ile Ile Arg Lys Glu Val Glu
115 120 125

Lys Cys Asp Ser Phe Ser Gly Phe Phe Ile Ile Met Ser Met Ala Gly
130 135 140

Gly Thr Gly Ser Gly Leu Gly Ala Phe Val Thr Gln Asn Leu Glu Asp
145 150 155 160

Gln Tyr Ser Asn Ser Leu Lys Met Asn Gln Ile Ile Trp Pro Tyr Gly
165 170 175

Thr Gly Glu Val Ile Val Gln Asn Tyr Asn Ser Ile Leu Thr Leu Ser
180 185 190

His Leu Tyr Arg Ser Ser Asp Ala Leu Leu Leu His Glu Asn Asp Ala
195 200 205

Ile His Lys Ile Cys Ala Lys Leu Met Asn Ile Lys Gln Ile Ser Phe
210 215 220

Ser Asp Ile Asn Gln Val Leu Ala His Gln Leu Gly Ser Val Phe Gln
225 230 235 240

Pro Thr Tyr Ser Ala Glu Ser Ser Phe His Tyr Arg Arg Asn Pro Leu
245 250 255

Gly Asp Leu Met Glu His Leu Val Pro His Pro Glu Phe Lys Met Leu
260 265 270

Ser Val Arg Asn Ile Pro His Met Ser Glu Asn Ser Leu Ala Tyr Thr
275 280 285

Thr Phe Thr Trp Ala Gly Leu Leu Lys His Leu Arg Gln Met Leu Ile
290 295 300

Ser Asn Ala Lys Met Glu Glu Gly Ile Asp Arg His Val Trp Pro Pro
305 310 315 320

Leu Ser Gly Leu Pro Pro Leu Ser Lys Met Ser Leu Asn Lys Asp Leu
325 330 335

His Phe Asn Thr Ser Ile Ala Asn Leu Val Ile Leu Arg Gly Lys Asp
340 345 350

Val Gln Ser Ala Asp Val Glu Gly Phe Lys Asp Pro Ala Leu Tyr Thr
355 360 365

Ser Trp Leu Lys Pro Val Asn Ala Phe Asn Val Trp Lys Thr Gln Arg
370 375 380

Ala Phe Ser Lys Tyr Glu Lys Ser Ala Val Leu Val Ser Asn Ser Gln
385 390 395 400

Phe Leu Val Lys Pro Leu Asp Met Ile Val Gly Lys Ala Trp Asn Met
405 410 415

Phe Ala Ser Lys Ala Tyr Ile His Gln Tyr Thr Lys Phe Gly Ile Glu
420 425 430

Glu Glu Asp Phe Leu Asp Ser Phe Thr Ser Leu Glu Gln Val Val Ala
435 440 445

Ser Tyr Cys Asn Leu
450

<210> 3178
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3178
Met Arg Ala Arg Pro Ser Pro Ser Pro Leu Arg Ser Trp Ala Cys Arg
1 5 10 15

Pro Pro Cys Cys Cys
20

<210> 3179
<211> 78
<212> PRT
<213> Homo sapiens

<400> 3179
Met Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu
1 5 10 15

Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr
20 25 30

Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu
35 40 45

Gly Asp Glu Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser
50 55 60

Leu Asp Gly Asp Val Thr Phe Phe Gly Ala Leu Lys Leu Leu
65 70 75

<210> 3180
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3180
Met Thr Gln Val Thr Ile Ser Lys Leu Gly Arg Leu Leu Leu Ala
1 5 10 15

Leu Pro Leu Cys Pro Ile Ser Cys Gln Tyr Ser Gln Phe Ser Arg Glu
20 25 30

<210> 3181
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3181
Met Asp His Phe Leu Val Phe Phe Phe Leu Ile Gly Ala Leu Asn Lys
1 5 10 15

Tyr Gly Thr Trp Thr Lys Arg Phe Ser Gly Ile Leu Trp Lys Leu Thr
20 25 30

Phe Leu Thr
35

<210> 3182
<211> 68
<212> PRT
<213> Homo sapiens

<400> 3182
Phe Phe Phe Phe Phe Phe Lys Leu His Gly Thr Glu Phe Asn Val
1 5 10 15

Asn His Glu Met Arg Gln Lys Pro Pro Pro Gly Arg Trp Glu Asp Pro
20 25 30

Ala Pro Asn Gln Thr Leu Glu His Ala Ala Leu Asn Gln Thr Pro Gly
35 40 45

Arg Gly Cys Val Val Met His Arg Leu Arg Leu Arg Gly Glu Asp Gly
50 55 60

Lys Thr Gln Pro
65

<210> 3183
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3183
Met Ala Val Ala Leu Glu Thr Val Leu Ile Ile Phe Ser Leu Phe Gly
1 5 10 15

Thr Thr Leu Thr Lys Leu Val Val Leu Leu Leu His Val Gln Lys Leu
20 25 30

Asp Ile Leu Tyr Met Gln Gln Phe Ser Tyr Ala Thr Met Arg Gln Glu
35 40 45

Glu His

<210> 3184
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 3184
 Met Lys Leu Tyr Phe Leu Met Cys
 1 5

<210> 3185
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 3185
 Arg Gln Pro Cys Pro Gly Leu Trp Pro Pro Pro Phe Tyr Ser Pro Cys
 1 5 10 15
 Gly Leu Gly Leu Cys Ser Leu His Asp Arg Pro Ala Leu Val Val Gly
 20 25 30
 Ala His Arg Val Pro Thr Pro Gly Leu His Cys Gly Cys Leu Arg Val
 35 40 45
 Pro Ala Asp Asp Arg Leu Pro Pro Gly Ala Ala Pro Thr Leu Gln Arg
 50 55 60
 Gly Arg Glu Cys Glu Ala Gly Pro Cys Glu Ala Gln Gly Ala Asp Leu
 65 70 75 80
 Ser Gly Gln Gly Pro Ser Pro His Ser Ala Ala Leu Ala Leu Ser Ile
 85 90 95

His

<210> 3186
 <211> 310
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 3186
 Met Val Tyr Lys Thr Leu Phe Ala Leu Cys Ile Leu Thr Ala Gly Trp
 1 5 10 15
 Arg Val Gln Ser Leu Pro Thr Ser Ala Pro Leu Ser Val Ser Leu Pro
 20 25 30

Thr Asn Ile Val Pro Pro Thr Thr Ile Trp Thr Ser Ser Pro Gln Asn
 35 40 45
 Thr Asp Ala Asp Thr Ala Ser Pro Ser Asn Gly Thr His Asn Asn Ser
 50 55 60
 Val Leu Pro Val Thr Ala Ser Ala Pro Thr Ser Leu Leu Pro Lys Asn
 65 70 75 80
 Ile Ser Ile Glu Ser Arg Glu Glu Glu Ile Thr Ser Pro Gly Ser Asn
 85 90 95
 Trp Glu Gly Thr Asn Thr Asp Pro Ser Pro Ser Gly Phe Ser Ser Thr
 100 105 110
 Ser Gly Gly Val His Leu Thr Thr Leu Glu Glu His Ser Xaa Gly
 115 120 125
 Thr Pro Glu Ala Gly Val Ala Ala Thr Leu Ser Gln Ser Ala Ala Glu
 130 135 140
 Pro Pro Thr Leu Ile Ser Pro Gln Ala Pro Ala Ser Ser Pro Ser Ser
 145 150 155 160
 Leu Ser Thr Ser Pro Pro Glu Val Phe Ser Ala Ser Val Thr Thr Asn
 165 170 175
 His Ser Ser Thr Val Thr Ser Thr Gln Pro Thr Gly Ala Pro Thr Ala
 180 185 190
 Pro Glu Ser Pro Thr Glu Glu Ser Ser Ser Asp His Thr Pro Thr Ser
 195 200 205
 His Ala Thr Ala Glu Pro Val Pro Gln Glu Lys Thr Pro Pro Thr Thr
 210 215 220
 Val Ser Gly Lys Val Met Cys Glu Leu Ile Asp Met Glu Thr Thr Thr
 225 230 235 240
 Thr Phe Pro Arg Val Ile Met Gln Glu Val Glu His Ala Leu Ser Ser
 245 250 255
 Gly Ser Ile Ala Ala Ile Thr Val Thr Val Ile Ala Val Val Leu Leu
 260 265 270
 Val Phe Gly Val Ala Ala Tyr Leu Lys Ile Arg His Ser Ser Tyr Gly
 275 280 285
 Arg Leu Leu Asp Asp His Asp Tyr Gly Ser Trp Gly Asn Tyr Asn Asn
 290 295 300
 Pro Leu Tyr Asp Asp Ser
 305 310

<210> 3187
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 3187
Met Glu Ser Gly Gln Val Ser Leu Phe Gly Leu Val Phe Ser Leu Met
1 5 10 15
Pro Cys Cys Gln His Ile Gln Lys Gly Ala Ala Cys Pro Lys Thr Val
20 25 30
Asn Leu Arg Arg Pro Gln Leu Ser Gly Leu Leu Ile Ser Trp Arg Phe
35 40 45
Leu Lys Cys Ile Leu Leu Asp Phe Asn Gly Trp Val Trp Lys Ser Pro
50 55 60

<210> 3188
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3188
Met Ala Leu Ser Phe Ile Phe Pro Ser Asp Phe Cys Pro Ser Phe Leu
1 5 10 15

<210> 3189
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3189
Met Val Val Leu Phe Leu Phe Pro Ile Thr Val Leu Ala Leu Lys Leu
1 5 10 15

<210> 3190
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3190
Met Ser Ala Ser Leu Asn His Ile Lys Val Ser Ser Val Trp Leu Leu
1 5 10 15
Leu Leu Phe Glu Met Val Leu Cys Phe Gly Cys Gly Leu Lys Leu
20 25 30

<210> 3191

<211> 39
<212> PRT
<213> Homo sapiens

<400> 3191
Met Lys Glu Gln Leu Ala Gln Phe Leu Lys Val Thr Ser Ser Phe Arg
1 5 10 15

Leu Leu Leu Leu Leu Thr Trp Met Gly Leu Gly Ile Ala Pro Leu Thr
20 25 30

Leu Cys Tyr Thr Ala Ile Thr
35

<210> 3192
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3192
Met Lys Glu Gln Leu Ala Gln Phe Leu Lys Val Thr Ser Ser Phe Arg
1 5 10 15

Leu Leu Leu Leu Leu Thr Trp Met Gly Leu Gly Ile Ala Pro Leu Thr
20 25 30

Leu Cys Tyr Thr Ala Ile Thr
35

<210> 3193
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3193
Met Lys Glu Gln Leu Ala Gln Phe Leu Lys Val Thr Ser Ser Phe Arg
1 5 10 15

Leu Leu Leu Leu Leu Thr Trp Met Gly Leu Gly Ile Ala Pro Leu Thr
20 25 30

Leu Cys Tyr Thr Ala Ile Thr
35

<210> 3194
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3194
Met Leu Arg Val Met Asn Leu Phe His Leu Leu Phe Glu Ile Ala Thr
1 5 10 15

Cys Leu Ile Cys Leu Ser Ile Ser Ser Lys Asn Ser Gly Glu Asn Ser
20 25 30

Met Ile Glu
35

<210> 3195
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3195
Met Leu Asp Phe Leu Arg Ser Gln Leu Lys Leu Leu Ser Tyr Leu Leu
1 5 10 15

Leu Gly Phe Leu Leu Arg Gln Arg Gly Ile Gly Arg Thr Ser Glu
20 25 30

Ile Phe Val Asn Ser
35

<210> 3196
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3196
Met Ser Gln Ala Cys Leu Gln Leu Ala Met Leu Ser Pro Ser Pro Leu
1 5 10 15

Pro Gly Gly Thr Thr Ala Lys
20

<210> 3197
<211> 310
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (307)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3197
Met Met Phe Leu Ala Val Gly Ile Tyr Ala Leu Phe Val Ser Thr Asn
1 5 10 15

Tyr Trp Glu Arg Tyr Tyr Thr Leu Val Pro Ser Ala Val Ala Leu Gly
20 25 30

Met Ala Ile Val Pro Leu Trp Ala Ser Met Gly Asn Tyr Ile Thr Arg
35 40 45

Met Ala Gln Lys Tyr His Glu Tyr Ser His Tyr Lys Glu Gln Asp Gly
50 55 60

Gln Gly Met Lys Gln Arg Pro Pro Arg Gly Ser His Ala Pro Tyr Leu

65	70	75	80
Leu Val Phe Gln Ala Ile Phe Tyr Ser Phe	Phe His Leu Ser Phe Ala		
85	90		95
Cys Ala Gln Leu Pro Met Ile Tyr Phe Leu Asn His	Tyr Leu Tyr Asp		
100	105		110
Leu Asn His Thr Leu Tyr Asn Val Gln Ser Cys Gly	Thr Asn Ser His		
115	120		125
Gly Ile Leu Ser Gly Phe Asn Lys Thr Val Leu Arg	Thr Leu Pro Arg		
130	135		140
Ser Gly Asn Leu Ile Val Val Glu Ser Val Leu Met Ala	Val Ala Phe		
145	150	155	160
Leu Ala Met Leu Leu Val Leu Gly Leu Cys Gly Pro	Leu Thr Gly Pro		
165	170		175
Arg Arg Arg Ser Ile Cys Ala Ala Trp Ala Gly Ala	Thr Ser Ser		
180	185		190
Cys Pro Ser Ser Thr Cys Val Thr Thr Ala Cys Ala	Thr Ser Cys Leu		
195	200	205	
Ser Leu Ser Thr Ala Ala Ser Arg Cys Ser Leu Pro	Ala Leu Val Ser		
210	215	220	
Pro Trp Ala Met Ala Cys Ala Arg Trp Gly Trp Ser	Gly Trp Leu Thr		
225	230	235	240
Ser Ser Trp Leu Thr Ala Trp Ala Pro Gln Pro Pro	His Ser Trp Ala		
245	250		255
Cys Trp Ala Cys Gly Cys His Ala Arg Cys Pro Trp	Trp Pro Glu Gln		
260	265		270
Gly Cys Thr Cys Cys Ser Pro Ser Ser Ser Phe Ser	Gly Pro Leu Cys		
275	280	285	
Leu Gly Ser Cys Asn Thr Ala Gly Ser Ser Met Trp	Gln Leu Pro Phe		
290	295	300	
Gly Val Xaa Ala Val Pro			
305	310		

<210> 3198
 <211> 310
 <212> PRT
 <213> Homo sapiens

<400> 3198
 Met Met Phe Leu Ala Val Gly Ile Tyr Ala Leu Phe Val Ser Thr Asn
 1 5 10 15
 Tyr Trp Glu Arg Tyr Tyr Thr Leu Val Pro Ser Ala Val Ala Leu Gly
 20 25 30

Met Ala Ile Val Pro Leu Trp Ala Ser Met Gly Asn Tyr Ile Thr Arg
 35 40 45

 Met Ala Gln Lys Tyr His Glu Tyr Ser His Tyr Lys Glu Gln Asp Gly
 50 55 60

 Gln Gly Met Lys Gln Arg Pro Pro Arg Gly Ser His Ala Pro Tyr Leu
 65 70 75 80

 Leu Val Phe Gln Ala Ile Phe Tyr Ser Phe Phe His Leu Ser Phe Ala
 85 90 95

 Cys Ala Gln Leu Pro Met Ile Tyr Phe Leu Asn His Tyr Leu Tyr Asp
 100 105 110

 Leu Asn His Thr Leu Tyr Asn Val Gln Ser Cys Gly Thr Asn Ser His
 115 120 125

 Gly Ile Leu Ser Gly Phe Asn Lys Thr Val Leu Arg Thr Leu Pro Arg
 130 135 140

 Ser Gly Asn Leu Ile Val Val Glu Ser Val Leu Met Ala Val Ala Phe
 145 150 155 160

 Leu Ala Met Leu Leu Val Leu Gly Leu Cys Gly Pro Leu Thr Gly Pro
 165 170 175

 Arg Arg Arg Ser Ile Cys Ala Ala Trp Ala Gly Ala Thr Ser Ser Ser
 180 185 190

 Cys Pro Ser Ser Thr Cys Val Thr Thr Ala Cys Ala Thr Ser Cys Leu
 195 200 205

 Ser Leu Ser Thr Ala Ala Ser Arg Cys Ser Leu Pro Ala Leu Val Ser
 210 215 220

 Pro Trp Ala Met Ala Cys Ala Arg Trp Gly Trp Ser Gly Trp Leu Thr
 225 230 235 240

 Ser Ser Trp Leu Thr Ala Trp Ala Pro Gln Pro Pro His Ser Trp Ala
 245 250 255

 Cys Trp Ala Cys Gly Cys His Ala Arg Cys Pro Trp Trp Pro Glu Gln
 260 265 270

 Gly Cys Thr Cys Cys Ser Pro Ser Ser Ser Phe Ser Gly Pro Leu Cys
 275 280 285

 Leu Gly Ser Cys Asn Thr Ala Gly Ser Ser Met Trp Gln Leu Pro Phe
 290 295 300

 Gly Val Trp Ala Val Pro
 305 310

<210> 3199
 <211> 370
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (370)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 3199
 Met Met Phe Leu Ala Val Gly Ile Tyr Ala Leu Phe Val Ser Thr Asn
 1 5 10 15

Tyr Trp Glu Arg Tyr Tyr Thr Leu Val Pro Ser Ala Val Ala Leu Gly
 20 25 30

Met Ala Ile Val Pro Leu Trp Ala Ser Met Gly Asn Tyr Ile Thr Arg
 35 40 45

Met Ala Gln Lys Tyr His Glu Tyr Ser His Tyr Lys Glu Gln Asp Gly
 50 55 60

Gln Gly Met Lys Gln Arg Pro Pro Arg Gly Ser His Ala Pro Tyr Leu
 65 70 75 80

Leu Val Phe Gln Ala Ile Phe Tyr Ser Phe Phe His Leu Ser Phe Ala
 85 90 95

Cys Ala Gln Leu Pro Met Ile Tyr Phe Leu Asn His Tyr Leu Tyr Asp
 100 105 110

Leu Asn His Thr Leu Tyr Asn Val Gln Ser Cys Gly Thr Asn Ser His
 115 120 125

Gly Ile Leu Ser Gly Phe Asn Lys Thr Val Leu Arg Thr Leu Pro Arg
 130 135 140

Ser Gly Asn Leu Ile Val Val Glu Ser Val Leu Met Ala Val Ala Phe
 145 150 155 160

Leu Ala Met Leu Leu Val Leu Gly Leu Cys Gly Ala Ala Tyr Arg Pro
 165 170 175

Thr Glu Glu Ile Asp Leu Arg Ser Val Gly Trp Gly Asn Ile Phe Gln
 180 185 190

Leu Pro Phe Lys His Val Arg Asp Tyr Arg Leu Arg His Leu Val Pro
 195 200 205

Phe Phe Ile Tyr Ser Gly Phe Glu Val Leu Phe Ala Cys Thr Gly Ile
 210 215 220

Ala Leu Gly Tyr Gly Val Cys Ser Val Gly Leu Glu Arg Leu Ala Tyr
 225 230 235 240

Leu Leu Val Ala Tyr Ser Leu Gly Ala Ser Ala Ala Ser Leu Leu Gly
 245 250 255

Leu Leu Gly Leu Trp Leu Pro Arg Pro Val Pro Leu Val Ala Gly Ala
 260 265 270

Gly Val His Leu Leu Leu Thr Phe Ile Leu Phe Phe Trp Ala Pro Val
 275 280 285

Pro Arg Val Leu Gln His Ser Trp Ile Leu Tyr Val Ala Ala Ala Leu

290

295

300

Trp Gly Val Gly Ser Ala Leu Asn Lys Thr Gly Leu Ser Thr Leu Leu
305 310 315 320

Gly Ile Leu Tyr Glu Asp Lys Glu Arg Gln Asp Phe Ile Phe Thr Ile
325 330 335

Tyr His Trp Trp Gln Ala Val Ala Ile Phe Thr Val Tyr Leu Gly Ser
340 345 350

Ser Leu His Met Lys Ala Lys Leu Ala Val Leu Leu Val Thr Leu Val
355 360 365

Ala Xaa
370

<210> 3200

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3200

Met Val Ser Val Cys Phe Tyr Phe Ile Arg Asp Tyr Phe Trp Trp Leu
1 5 10 15

Leu Thr Tyr Thr Phe Phe Ala Leu Met Leu Gln Phe Leu Val Met Leu
20 25 30

Thr Lys Cys Gly Phe Ser Phe Leu Lys Ser Cys Leu Gly Phe Ile Val
35 40 45

Phe Gly Phe Cys Glu Xaa Phe Ser His Lys Ile Trp Lys Asn Ser Ala
50 55 60

Phe Ser Ser Ser Val Thr Ala Phe Cys Phe Cys Pro Pro Ser Phe Ala
65 70 75 80

Ile Leu Ile Glu Arg Arg Pro Phe Tyr Ser Leu Ser Cys Leu Leu Thr
85 90 95

Ser Phe Phe Cys Phe Pro Phe Leu Cys Leu Ser Val Leu Pro Ser Asp
100 105 110

Tyr Phe Ile Arg Thr Ile Cys Gln Phe Pro Asn Ser Leu Phe Gly Phe
115 120 125

Val Ser Ser Val Ile Arg Asn Ile Tyr
130 135

<210> 3201

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3201

Met Ile Gln Cys Cys Ile Met Ile Leu Leu
1 5 10

<210> 3202

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3202

Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Ala Thr Phe
1 5 10 15

Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
20 25 30

Cys Arg Glu Pro Thr Ser Ser

35

<210> 3203

<211> 50

<212> PRT

<213> Homo sapiens

<400> 3203

Met Phe Leu Ser Ser Asn Phe Pro Ile Phe Ser Ile Leu Phe Phe Ala
1 5 10 15

Phe Pro Tyr Phe Cys Leu Pro Val Phe His Phe Lys Leu Leu Ser Ser
20 25 30

Pro Asn Cys Phe Ile Leu Pro Leu Pro Ile Asn Leu Ser Ile Phe Val
35 40 45

Cys Val

50

<210> 3204

<211> 50

<212> PRT

<213> Homo sapiens

<400> 3204

Met Phe Leu Pro Ser Asn Phe Pro Ile Phe Ser Ile Leu Phe Phe Ala
1 5 10 15

Phe Pro Tyr Phe Cys Leu Pro Val Phe His Phe Lys Leu Leu Ser Ser
20 25 30

Pro Asn Cys Phe Ile Leu Pro Leu Pro Ile Asn Leu Ser Ile Phe Val
35 40 45

Cys Val
50

<210> 3205
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3205
Met Ala Lys Ile His Val Met Ser Ile Asn Leu Tyr Phe Leu Ser Pro
1 5 10 15
Ala Leu Leu Ser Met Ala Met Gly Leu Thr Pro Glu Gly Cys Lys Ser
20 25 30

<210> 3206
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3206
Met His Ala His Ile Trp Pro Tyr Leu Tyr Met Cys Ala His Ile His
1 5 10 15
Met His Leu Cys Thr Tyr Met Pro Ile His Thr His Thr His Thr His
20 25 30
Ala His Thr His Gln Pro Gln Ser His Ser Phe Cys Gly Gly Thr Ser
35 40 45
Gly Leu Arg Ala Ala Pro Gly
50 55

<210> 3207
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3207
Met Ala Pro Ile Met Arg Leu Leu Glu Ala Ile Phe Met Thr Ala Ile
1 5 10 15
Val Pro Ser Val Leu Gln Leu
20

<210> 3208
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3208
His Leu Pro Cys Lys Leu Val Phe Phe Leu Ser Asp Lys Phe Trp Tyr
1 5 10 15

Cys Arg Leu Ser Pro Asn His Lys Val Leu His Tyr Gly Asp Leu Glu
20 25 30

Glu Ser Pro Gln Gly Glu Val Pro His Asp Ser Leu Gln Asp Lys Arg
35 40 45

Lys

<210> 3209
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3209
Val Ile Val Ile Val Gln Leu Cys Ile Phe Tyr Ala Ser Tyr Ser Ala
1 5 10 15

Trp His Ile Val Gly Ala Gln Leu Thr Leu Leu Lys Glu
20 25

<210> 3210
<211> 126
<212> PRT
<213> Homo sapiens

<400> 3210
Met Gly Ile Ile Ile Gly Cys Phe Pro Thr Leu Ala Phe Lys Ile Pro
1 5 10 15

Ile Leu Leu Ser Phe Trp Phe Ile Cys Ser Lys Ala His Ile Glu Glu
20 25 30

Glu Ile Ser Gly Phe Ser Met Leu Phe Tyr Tyr Leu Phe Ser Leu Leu
35 40 45

Lys Leu Ile Gln Thr Tyr Leu Leu Thr Pro Phe Ser Leu Leu Thr Phe
50 55 60

Thr Thr Asn Thr Ser Lys Ile Ile Phe Leu Ile Val Lys Arg Phe Cys
65 70 75 80

Gln Asp Phe His Cys Asn Gly Cys Tyr Arg Asp Gly Pro Ser Ser Ser
85 90 95

Ser Pro Val Val Ser Ser Asn Tyr Lys Met Phe Lys Leu Ser Glu Asn
100 105 110

Leu Lys Ser His His Cys Ser Gln Ser Ala Tyr Thr Ser Ser
115 120 125

<210> 3211
<211> 52
<212> PRT
<213> Homo sapiens

<400> 3211
Met His Thr Ala Cys Leu Cys Asn Ala Ile Ile Ala Leu Leu Lys Val
1 5 10 15
Pro Leu Ser Phe Gln Arg Tyr Phe Phe Pro Glu Thr Thr Val Tyr Gln
20 25 30
His Gln Ala Cys Ser Val Thr Ile Ala Pro Glu Ser Cys Arg Ala His
35 40 45
Cys Cys Pro Glu
50

<210> 3212
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3212
Met Val Ser Cys Leu Leu Arg Thr Ala Arg Gln His Cys Val Cys Glu
1 5 10 15
Asp Val Leu His Leu Leu Cys Ala Ser Gln Leu Leu Leu Lys
20 25 30
Gln Leu Ser Leu Leu Phe Gly Phe Leu Arg Leu Leu Ala Ser Glu Arg
35 40 45
His Leu
50

<210> 3213
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3213
Met Lys Arg Arg Glu Arg Arg Trp Lys Trp Phe Phe Phe Phe Phe Phe
1 5 10 15
Tyr Phe Leu Ser Phe Phe Phe Phe Phe Leu Val Asn Ser Arg Phe
20 25 30
Ser Ser Ser Lys Phe
35

<210> 3214
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3214
Met Lys Asn Ile Ile Ala Ile Ser Pro Lys Phe Leu Ser Trp Leu Gly
1 5 10 15
Trp Gly Arg Phe Leu Leu Trp Thr Ile Ser Gly Thr Tyr Ser Met Lys
20 25 30
Ser Arg

<210> 3215
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3215
Met Leu Cys Ser Leu Leu Leu Phe Leu Leu Leu Phe Val Ile Pro
1 5 10 15
Lys Ser Pro Trp Gln His Thr Ser Gly Trp Phe Ala Thr Cys Ser Glu
20 25 30
Arg Leu Ile Lys Asn
35

<210> 3216
<211> 75
<212> PRT
<213> Homo sapiens

<400> 3216
Met Gln Met Leu Arg Lys Leu Phe Thr Ala Ile Arg Ala Leu Phe Leu
1 5 10 15
Ala Val Cys Val Leu Lys Val Ile Val Ser Leu Val Ser Leu Gly Val
20 25 30
Gly Leu Arg Asn Leu Cys Gly Gln Ser Ser Gln Pro Leu Asn Glu Glu
35 40 45
Gly Ser Glu Lys Arg Leu Leu Gly Glu Asn Ser Val Pro Pro Ser Pro
50 55 60
Ser Arg Glu Gln Thr Ser Thr Ala Ile Val Leu
65 70 75

<210> 3217
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3217
Met Leu His Leu Cys Ser Leu Leu Gln Gly Val Leu Gly Lys Cys Arg
1 5 10 15

Tyr Val Tyr Tyr Gly Lys Asn Ser Glu Gly Asn Arg Phe Ile Arg Asp
20 25 30

Asp Gln Leu
35

<210> 3218
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3218
Phe Gln Cys Pro Cys Val His Val Ser Ala Leu Gln Glu Leu Ala Ala
1 5 10 15
Gly Val Leu Gly Gly Pro Arg Pro Val
20 25

<210> 3219
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3219
Met His Ser Cys Arg Asn His Asp Arg
1 5

<210> 3220
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3220
Met Arg Phe His Ile Leu Leu Ile Val Leu Leu Leu Arg Met Lys Asn
1 5 10 15
Gln Gln Gln Ile Leu Cys Trp Thr Cys Gly Leu Val Lys Leu Leu Phe
20 25 30
Leu Val Leu Pro Val
35

<210> 3221
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3221
Met Arg Gly Leu Phe Phe Ser Leu Leu Asp Lys Val Leu Ala Xaa
1 5 10 15

Cys Asn Cys Leu Leu Ser Tyr Ser Thr Ala Glu Met Lys Gln Ser Phe
20 25 30

Xaa Cys Thr Asp
35

<210> 3222
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3222
Met Asp Leu Gln Val Cys Met Gly Ser Lys Tyr Trp Phe Met Val Leu
1 5 10 15

Phe Leu Glu Leu Leu Val Gly Leu Tyr Phe Gly Val Val Phe Gly
20 25 30

<210> 3223
<211> 85
<212> PRT
<213> Homo sapiens

<400> 3223
Met Pro Arg Ser Gly Pro Leu Ser Ile Pro Trp Pro Leu Trp Leu Pro
1 5 10 15

Leu Gly Tyr Val Val Cys Val Arg Glu Trp Cys Ala Gly Ala Val Pro
20 25 30

Tyr Ala Pro Cys Val Leu Cys Val Ser Arg His Gly Ser Leu Arg Pro
35 40 45

Met Cys Ala Val Cys Val Leu Pro Val Tyr Val Ala Ser Ser Asp Ala
50 55 60

Asp Lys Val Gly Asn Asn Pro Cys Gln Ser Gly Leu Gly Pro Asp Phe
65 70 75 80

Val Leu Phe Leu Thr
85

<210> 3224
<211> 207
<212> PRT
<213> Homo sapiens

<400> 3224
 Met Ala Phe Leu Arg Lys Val Tyr Ser Ile Leu Ser Leu Gln Val Leu
 1 5 10 15
 Leu Thr Thr Val Thr Ser Thr Val Phe Leu Tyr Phe Glu Ser Val Arg
 20 25 30
 Thr Phe Val His Glu Ser Pro Ala Leu Ile Leu Leu Phe Ala Leu Gly
 35 40 45
 Ser Leu Gly Leu Ile Phe Ala Leu Ile Leu Asn Arg His Lys Tyr Pro
 50 55 60
 Leu Asn Leu Tyr Leu Leu Phe Gly Phe Thr Leu Leu Glu Ala Leu Thr
 65 70 75 80
 Val Ala Val Val Val Thr Phe Tyr Asp Val Tyr Ile Ile Leu Gln Ala
 85 90 95
 Phe Ile Leu Thr Thr Val Phe Phe Gly Leu Thr Val Tyr Thr Leu
 100 105 110
 Gln Ser Lys Lys Asp Phe Ser Lys Phe Gly Ala Gly Leu Phe Ala Leu
 115 120 125
 Leu Trp Ile Leu Cys Leu Ser Gly Phe Leu Lys Phe Phe Phe Tyr Ser
 130 135 140
 Glu Ile Met Glu Leu Val Leu Ala Ala Ala Gly Ala Leu Leu Phe Cys
 145 150 155 160
 Gly Phe Ile Ile Tyr Asp Thr His Ser Leu Met His Lys Leu Ser Pro
 165 170 175
 Glu Glu Tyr Val Leu Ala Ala Ile Ser Leu Tyr Leu Asp Ile Ile Asn
 180 185 190
 Leu Phe Leu His Leu Leu Arg Phe Leu Glu Ala Val Asn Lys Lys
 195 200 205

<210> 3225
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 3225
 Met Arg Tyr Leu Ile Phe Leu Leu Leu His Leu Ser Phe Ser Trp Leu
 1 5 10 15
 Gln Lys Ile Met Ala Phe Thr Val Phe Leu Phe Ser Phe Met Ser Ser
 20 25 30

Phe

<210> 3226

<211> 34
<212> PRT
<213> Homo sapiens

<400> 3226
Met Trp Pro Ile Ala Ser Leu Thr Tyr Met Gly Lys Pro Leu Ala Leu
1 5 10 15

Cys Ser Pro Ala Phe Leu Leu Cys Leu Val His Ala Val Ser Ser Gln
20 25 30

Gln Pro

<210> 3227
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3227
Met Lys Leu Phe Gln Tyr Ile Gln Tyr Thr Leu Ser Leu Met Leu Leu
1 5 10 15

Leu Leu Thr Val Ile Ser Phe Phe Phe Ser Phe Leu Tyr Leu His
20 25 30

<210> 3228
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3228
Met Lys Leu Phe Gln Tyr Ile Gln Tyr Thr Leu Ser Leu Met Leu Leu
1 5 10 15

Leu Leu Thr Val Ile Ser Phe Phe Phe Ser Phe Leu Tyr Leu His
20 25 30

<210> 3229
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3229
Met Tyr Val Val Thr Val Tyr Met Cys Met Ser Val Val Tyr Ala Cys
1 5 10 15

Val Ser Val Cys Leu Tyr Val Cys Thr Thr Lys Glu Ala Ala Glu Thr
20 25 30

Leu

<210> 3230
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3230
Glu Ile Leu His Arg Phe Leu Val Leu Phe Cys Ser Phe Phe Val Phe
1 5 10 15

Cys Cys Phe Val Ile Tyr Leu Tyr Thr Tyr Lys Ile Leu Leu Lys Ile
20 25 30

Lys Lys Lys Lys Lys Ser Arg Ser Arg Ile His Trp Ser Arg Phe Ser
35 40 45

Tyr Asn Val Leu Lys Thr Lys
50 55

<210> 3231
<211> 75
<212> PRT
<213> Homo sapiens

<400> 3231
Met Gly Ser Ser Gly Leu His Thr Ser Thr Ile Ala Cys Trp Val Asp
1 5 10 15

Leu Asp Val Cys Leu Leu Tyr Gly Asn Phe Gly Gly Lys Asn Pro Lys
20 25 30

His Lys Leu Trp Val Glu Ile Leu Thr Val Ser Leu Val Pro Trp Tyr
35 40 45

Ser Pro Cys Leu Ile Cys Thr Phe His Arg Gly Cys Phe Cys Ile Ala
50 55 60

Tyr Thr Ala Leu Ala Gln Glu Ile Val Ala Leu
65 70 75

<210> 3232
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3232
Leu Lys Gly Ile Tyr Leu
1 5

<210> 3233
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3233
His Glu Thr Ile Val Thr Trp Arg Pro Gln Leu Leu

1

5

10

<210> 3234
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3234
Met Ala Thr Leu Leu Leu Cys Pro His Val Ala Phe Pro Leu Tyr Val
1 5 10 15
Arg Ala Pro Ala Thr Ser Ile Leu Arg Gly His Gln Ser Tyr Trp Ile
20 25 30
Arg Val Pro Pro Gln Gln Leu His Val Asn Ile Ile Ser Leu Lys Thr
35 40 45
Leu Pro Pro Ala Gly His Gly Ser Ser Arg Leu
50 55

<210> 3235
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3235
Met Phe Asp Leu Leu Phe Ile Ser Thr Phe Ile Leu Ile Phe Leu Ala
1 5 10 15
Ser Leu Asp Leu Glu Val Asn Tyr
20

<210> 3236
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3236
Met Val Phe Ile Leu Thr Ile Ser Tyr Leu Leu Lys Gly Val Met Val
1 5 10 15
Ile Thr Lys Ala Phe Arg Met Gln Phe Leu Ile Cys Cys Gly His Asp
20 25 30
His Lys Lys Ile Ser Gln
35

<210> 3237
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3237

Met Ser Met Glu Cys Phe Ser Ile Cys Tyr Val Ile Ser Asp Phe Phe
1 5 10 15

Val Gln Cys Phe Val Thr Phe Ile Val Glu Ile Leu Tyr Leu Pro Gly
20 25 30

<210> 3238
<211> 79
<212> PRT
<213> Homo sapiens

<400> 3238
Met Asp Asp Phe Ile Ser Ile Ser Leu Leu Ser Leu Ala Met Leu Val
1 5 10 15

Gly Cys Tyr Val Ala Gly Ile Ile Pro Leu Ala Val Asn Phe Ser Glu
20 25 30

Glu Arg Leu Lys Leu Val Thr Val Leu Gly Ala Gly Leu Leu Cys Gly
35 40 45

Leu Leu Trp Gln Ser Ser Cys Leu Lys Glu Tyr Met Pro Phe Met Lys
50 55 60

Ile Phe Leu Arg Glu Asn Thr Thr Lys Gln Val Lys His Ile Met
65 70 75

<210> 3239
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3239
Met Thr Arg Leu Ser Phe Leu Gly Leu Phe Leu Leu Arg Pro Ala Pro
1 5 10 15

Ser Trp Ala His Leu Arg Phe Thr Glu Val Ser Gly Gly Pro Lys Ser
20 25 30

Leu Leu Val Phe Asn Phe Phe Leu Thr Ile His Phe Cys Gly Gln Phe
35 40 45

Gln Gln His Cys Pro Tyr Phe
50 55

<210> 3240
<211> 4
<212> PRT
<213> Homo sapiens

<400> 3240
Met Gln Ser Thr

1

<210> 3241
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3241
Met Tyr Ile Arg Leu Phe Leu Ile Phe Cys Tyr Leu Tyr Ala His Cys
1 5 10 15

Ser Glu His Ser Leu Tyr Ile Cys Pro Cys Ser Val Val Ser
20 25 30

<210> 3242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3242
Met Phe Leu Ile Phe Tyr Leu Ala Lys Leu Asp Asn Leu Ser Leu Gly
1 5 10 15

Lys Ile Lys Asn
20

<210> 3243
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3243
Ser Thr Leu Phe Ser Ile Leu Leu Ser Arg Leu Trp Gly Ser Phe Cys
1 5 10 15

Gln Gly Gln Ala Thr Arg Lys Val Glu Val Glu Ile Thr Trp Tyr Val
20 25 30

Ser Leu Trp Val Pro Gln Leu Glu Leu Pro Gln Leu Arg Lys Lys Met
35 40 45

Arg His Asn Asp Leu Glu Cys Asn Trp Ser Lys
50 55

<210> 3244
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3244
Met Leu Ala Leu Asn Ile Phe Phe Leu Ser Leu Thr Ser Ala Ile Asn
1 5 10 15

Ser Thr Ile Gly Leu Gln Ile Gln Phe Thr Leu Gly Leu Asn
20 25 30

<210> 3245
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3245
Met Glu Ser Ile Tyr Cys Arg Thr Thr Leu Val Leu Cys Leu Leu Ser
1 5 10 15

Leu Pro Ser Ala Leu Gln Leu Ser Pro Ser Leu Ala Ala Ser Ser Leu
20 25 30

Cys Ser

<210> 3246
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3246
Met Thr Arg His Leu Leu Ile Ile Phe His Asp Cys Phe Leu Phe Ser
1 5 10 15

His Cys Val Gly Phe Val Asn Leu Tyr Ile Thr Gly Asn Lys Ile Leu
20 25 30

Cys Lys Ile Tyr Trp Gly Lys Ser Ile Trp Ser Ala
35 40

<210> 3247
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3247
Met Leu Gln Arg Ile Val Leu Ala Cys Cys Trp Pro Ala Ala Ser Gln
1 5 10 15

<210> 3248
<211> 68
<212> PRT
<213> Homo sapiens

<400> 3248
Met Asp Phe His Phe Leu Val Val Phe Phe Phe Ser Tyr His Phe Pro
1 5 10 15

Phe Leu Phe Leu His Val Gly Asn Leu Ser Ser Ala Ala Phe Leu Cys
20 25 30

Gln Leu Lys Gly Lys Ser His Leu Asn Ala His Gln Glu Asn Thr Leu
35 40 45

Trp Ser Ala Ile Gln Ser Phe Ile Met Tyr Pro Leu Thr Val Met Pro
50 55 60

Ala Arg Arg Asp
65

<210> 3249
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3249
Met Lys Lys Met Ser Gln Arg Ser Gly Thr Leu Trp Leu Ala Leu Leu
1 5 10 15

Leu His Ser Val Val Thr Thr Gly Val Ile Gly Asp Ile Met Trp Ala
20 25 30

Lys Asn Ile Ser Gly Leu
35

<210> 3250
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3250
Met Leu Ile Trp Gly Ser His Leu Leu Pro Leu Gly Gln Ser Thr Ile
1 5 10 15

Lys Leu Leu Tyr Leu Pro Trp Leu Leu Asp His Val Cys
20 25

<210> 3251
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3251
Met Leu Asn Cys Asp His Phe Leu Ala Leu
1 5 10

<210> 3252
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3252
Met Gly Ile Asn Thr Arg Glu Leu Phe Leu Asn Phe Thr Ile Val Leu
1 5 10 15
Ile Thr Val Ile Leu Met Trp Leu Leu Val Arg Ser Tyr Gln Tyr
20 25 30

<210> 3253
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3253
Met Lys Thr Thr Ser Phe Tyr Cys Ile Phe Thr Arg Val His Ser Gly
1 5 10 15
Arg Met Leu Ile Ala Gly Ser Val Gln Ala Thr Asp Met Leu Leu Leu
20 25 30
Val Ile Gln Tyr
35

<210> 3254
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3254
Met Val Met Phe Val Leu Cys Leu Asn Tyr Trp Asp Leu Val Leu Thr
1 5 10 15
Ile Ser Leu Lys Lys Thr Ala Phe Cys His Phe Lys Leu Thr Thr Ser
20 25 30
Gly Arg Trp Arg Ile Arg Ser Ala Ser Gln
35 40

<210> 3255
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3255
Leu Pro Leu Ser Leu Phe Ser Val Leu Leu Thr Leu Leu Phe Leu Val
1 5 10 15
Val Phe Lys Lys Ile Ala Thr
20

<210> 3256
<211> 14
<212> PRT

<213> Homo sapiens

<400> 3256

Met Leu Leu Ile Trp Val Phe Leu Pro Val Leu Thr Thr Asp
1 5 10

<210> 3257

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3257

Met Ala His Gly Leu Tyr Ser Ile Leu Ile Gly Leu Gly Leu Thr
1 5 10 15

Gly Leu Leu Leu Leu His Asn Trp Ser Pro Cys Phe Gln Phe Leu Pro
20 25 30

Ser Ile Ser Ser Asn Leu Thr Pro Lys Val Ile Leu Ser Ser Leu Lys
35 40 45

Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
50 55 60

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
65 70 75 80

Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro
85 90 95

Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Xaa Asp Arg Pro
100 105 110

Ser Gln Xaa Leu Arg Thr
115

<210> 3258

<211> 35

<212> PRT

<213> Homo sapiens

<400> 3258

Pro Leu Glu Leu Thr Ser Trp Thr Leu Leu Tyr Cys Leu Asn Cys
1 5 10 15

Ser Ala Leu Tyr Phe Ala Ser Val Cys Glu Phe Cys Cys Phe Trp Gly
20 25 30

Ile Ser Leu
35

<210> 3259
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3259
Met
1

<210> 3260
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3260
Met Ile Leu Leu Ile Ile Pro Ser Phe Arg Leu Ser Pro Phe Ser Ser
1 5 10 15
Ser Thr Ile Lys Glu Pro Leu
20

<210> 3261
<211> 113
<212> PRT
<213> Homo sapiens

<400> 3261
Met Ser Phe Cys Phe Gln Leu Leu Leu Gly Val Ala Met Ser Gln Pro
1 5 10 15
Gln Ser Leu Ile Ser Pro Val Ser Ile Thr Asn Cys Leu His Leu Lys
20 25 30

Ala Phe Leu Tyr Leu Leu Ile Phe Pro Gln Ala Phe Pro Phe Leu Ser
35 40 45

Cys Ile Phe Pro Leu Phe Trp Gln Thr Cys Met Gly Lys Asp Val Thr
50 55 60

Leu His Val Ser Ala Ser Asn Pro Ala Met Leu Leu Tyr Gln Lys Phe
65 70 75 80

Gly Phe Lys Thr Glu Glu Tyr Val Leu Asp Phe Tyr Asp Lys Tyr Tyr
85 90 95

Pro Leu Glu Ser Thr Glu Cys Lys His Ala Phe Phe Leu Arg Leu Arg
100 105 110

Arg

<210> 3262
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3262
Met Ser Asn Tyr Thr Ile Leu Gly Gln Tyr Cys Val Phe Leu Val Leu
1 5 10 15
Cys Phe Leu Arg Ser Pro Thr Tyr Trp Asn Phe Asp Tyr Leu Asp Ile
20 25 30
Phe Val Phe Lys Arg Gly Gly Glu Phe Ala
35 40

<210> 3263
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3263
Glu Phe Thr Phe Pro Cys Ala Gly Leu Thr
1 5 10

<210> 3264
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3264
Met Ser Val Leu Leu Ser Ser Ser Cys Gly Ala Ala Phe Ala Val
1 5 10 15
Leu Cys Pro Pro His Cys Glu
20

<210> 3265
<211> 13
<212> PRT
<213> Homo sapiens

<400> 3265
Met Gly Cys Phe Gly Leu Trp Ala Pro Ser Phe Pro Trp
1 5 10

<210> 3266
<211> 86
<212> PRT
<213> Homo sapiens

<400> 3266

Met Leu Met Leu Leu Thr Leu Phe Ser Ser Leu Gly Met Phe Gly Thr
1 5 10 15

Gly Gly Leu Gly Gly Arg Val Phe Cys Pro His Thr His Thr Asp Ser
20 25 30

Glu Tyr Leu Ile His Val Val Asp Ser Pro Ile Thr Val Gln Trp Gly
35 40 45

Arg Gly Pro Arg Phe Phe Pro Phe Leu Ser Pro Phe Ile Ser Cys Gly
50 55 60

Gln Arg Leu Gln Pro Thr Ile Ala Leu Arg Val Pro Ser Ser Ala Phe
65 70 75 80

Ser Lys Tyr Gly Leu Thr
85

<210> 3267
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3267
Met Phe Val Tyr Cys Pro His Leu Xaa Leu Ile Tyr Ser Gly Ile Leu
1 5 10 15

Leu Leu Leu Glu His Ile Val Tyr Ser Cys Asn Asn Tyr Phe Asn Ile
20 25 30

Phe Ala Tyr
35

<210> 3268
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3268
Arg Gly Arg Pro Gly Ala Leu Pro Ser Cys Leu Phe Ser Val Phe Pro
1 5 10 15

Leu

<210> 3269
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3269
Met Gln Val Leu Leu Leu Val Gly Phe Phe Gln Met Glu Leu Ser
1 5 10 15

Leu Phe Ile Leu Lys Asn Met Lys Ile
20 25

<210> 3270
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3270
Met Thr Asn Leu Leu Phe Ala Tyr Ser Ser Ile Leu Asn Lys Ser Leu
1 5 10 15

Lys Leu

<210> 3271
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3271
Met Gly Leu Val Ile Cys Ser Phe Leu Ala Leu Lys Ile Val Val Ser
1 5 10 15

Lys Arg Asp His Gly Arg Asn His Cys Asn Gly Ser Asn Ser Asn Thr
20 25 30

Cys Xaa Leu Tyr Cys Ala Leu Gly Leu Pro Gly Val Ser Lys Tyr Ile
35 40 45

Ser Ile Phe Xaa Met Cys Arg Thr Arg Tyr Leu Gly Thr Cys His Thr
50 55 60

Pro Leu Ser Arg Tyr Val Leu Ala Ser Leu Glu Leu Lys Gly Leu Glu
65 70 75 80

Leu Arg Thr Cys Ser Leu Phe Phe Ile His Met Ser Leu Val Gly Leu
85 90 95

His Pro Asp His Thr Met Thr Ser Tyr Arg Ala Arg Glu Asn Asn Ile
100 105 110

Ile Ile Ser Ser Phe Ala

<210> 3272
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 3272
 Leu Thr Trp Leu Leu Leu Pro His Arg Ala Ala Arg Ser Gln
 1 5 10

<210> 3273
 <211> 380
 <212> PRT
 <213> Homo sapiens

<400> 3273
 Met Arg Ile Ser Pro Trp Trp Tyr Phe Ala Met Ile Ser Val Ser Gly
 1 5 10 15
 Val Phe Ser Val Thr Phe Ser Val Ile Phe Ala Tyr Val Ala Asp Val
 20 25 30

Thr Gln Glu His Glu Arg Ser Thr Ala Tyr Gly Trp Val Ser Ala Thr
 35 40 45

Phe Ala Ala Ser Leu Val Ser Ser Pro Ala Ile Gly Ala Tyr Leu Ser
 50 55 60

Ala Ser Tyr Gly Asp Ser Leu Val Val Leu Val Ala Thr Val Val Ala
 65 70 75 80

Leu Leu Asp Ile Cys Phe Ile Leu Val Ala Val Pro Glu Ser Leu Pro
 85 90 95

Glu Lys Met Arg Pro Val Ser Trp Gly Ala Gln Ile Ser Trp Lys Gln
 100 105 110

Ala Asp Pro Phe Ala Ser Leu Lys Lys Val Gly Lys Asp Ser Thr Val
 115 120 125

Leu Leu Ile Cys Ile Thr Val Phe Leu Ser Tyr Leu Pro Glu Ala Gly
 130 135 140

Gln Tyr Ser Ser Phe Phe Leu Tyr Leu Arg Gln Val Ile Gly Phe Gly
 145 150 155 160

Ser Val Lys Ile Ala Ala Phe Ile Ala Met Val Gly Ile Leu Ser Ile
 165 170 175

Val Ala Gln Thr Ala Phe Leu Ser Ile Leu Met Arg Ser Leu Gly Asn
 180 185 190

Lys Asn Thr Val Leu Leu Gly Leu Gly Phe Gln Met Leu Gln Leu Ala
 195 200 205

Trp Tyr Gly Phe Gly Ser Gln Ala Trp Met Met Trp Ala Ala Gly Thr

210

215

220

Val Ala Ala Met Ser Ser Ile Thr Phe Pro Ala Ile Ser Ala Leu Val
225 230 235 240

Ser Arg Asn Ala Glu Ser Asp Gln Gln Gly Val Ala Gln Gly Ile Ile
245 250 255

Thr Gly Ile Arg Gly Leu Cys Asn Gly Leu Gly Pro Ala Leu Tyr Gly
260 265 270

Phe Ile Phe Tyr Met Phe His Val Glu Leu Thr Glu Leu Gly Pro Lys
275 280 285

Leu Asn Ser Asn Asn Val Pro Leu Gln Gly Ala Val Ile Pro Gly Pro
290 295 300

Pro Phe Leu Phe Gly Ala Cys Ile Val Leu Met Ser Phe Leu Val Ala
305 310 315 320

Leu Phe Ile Pro Glu Tyr Ser Lys Ala Ser Gly Val Gln Lys His Ser
325 330 335

Asn Ser Ser Ser Gly Ser Leu Thr Asn Thr Pro Glu Arg Gly Ser Asp
340 345 350

Glu Asp Ile Glu Pro Leu Leu Gln Asp Ser Ser Ile Trp Glu Leu Ser
355 360 365

Ser Phe Glu Glu Pro Gly Asn Gln Cys Thr Glu Leu
370 375 380

<210> 3274

<211> 11

<212> PRT

<213> Homo sapiens

<400> 3274

Met Arg Trp Asn Leu Leu Leu Val Lys Leu Leu
1 5 10

<210> 3275

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3275

Met Phe Val Phe Thr Ile Tyr Cys Ile Val Gly Leu Phe Thr Phe Gly
1 5 10 15

His Ser Ser Met Lys Cys Lys Leu Phe Gln Glu Ser His Glu Lys
20 25 30

<210> 3276

<211> 28

<212> PRT
<213> Homo sapiens

<400> 3276
Met Ala Phe Ser Phe Pro Ala Ser Ala Gly Val Val Arg Val Gly Ala
1 5 10 15
Arg Arg Ala Leu Leu Phe Pro Phe Leu Leu Pro Gly
20 25

<210> 3277
<211> 105
<212> PRT
<213> Homo sapiens

<400> 3277
Met Ala His Lys Ile Gly Pro Pro Met Leu Phe Phe Leu Ser Leu
1 5 10 15
Phe Asn Tyr Leu Leu Arg Leu Ser Lys Ala Lys Gly Asn Cys Glu Ile
20 25 30
Lys Ser Val Lys Tyr Asn Asn Ile Phe Lys Arg Lys Trp Ile Pro Leu
35 40 45
Phe Leu Phe Ala Thr Glu Lys Ala Pro Arg Arg His Arg Leu Cys Arg
50 55 60
Ile Ser Lys Gln Thr Met Met Glu Trp Arg Pro Val Gln Pro Phe Lys
65 70 75 80
Glu Arg Gln Val Glu Gln Pro Gly Glu Arg Pro Gly Gly Glu Glu Ser
85 90 95
Glu Thr Pro Glu Ser Lys Ala Val Phe
100 105

<210> 3278
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3278
Glu Val Gln Tyr Val Gln Ile Phe His Ile Phe Leu Leu Leu Ser Leu
1 5 10 15
Tyr Leu Phe Ser Leu Phe
20

<210> 3279
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3279

Met Thr Ile Ile Met Cys Pro Leu Ala Pro Leu Ile Ser Gly Val Cys
1 5 10 15

Ala Ile Pro Leu Ser Thr Ser Leu Ile Phe Leu Thr Pro Ser Leu Thr
20 25 30

Lys Ser Leu Gln Lys Pro Leu
35

<210> 3280
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3280
Met Arg Ser Leu Ile Cys Pro Asn Pro His Gln Arg Leu Leu Phe Ser
1 5 10 15

Val Leu Leu Ile Ile Thr Ile Leu Met Gly Met Asn
20 25

<210> 3281
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3281
Met Leu Arg Lys Val Ile Leu Cys Met Leu Pro Phe Cys Phe Ile Leu
1 5 10 15

Leu Leu Lys Gln Asn Cys Gly Val Xaa Leu Cys Val Cys Ala Xaa Pro
20 25 30

Arg Cys Pro Ser
35

<210> 3282
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3282
Met Asn Val Phe Ser Lys Asn Val Lys Cys Ile Tyr Phe Leu Tyr Leu
1 5 10 15

Tyr Ser Cys Phe Ile Phe
20

<210> 3283
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3283
Met Ile Leu Phe Leu Leu Leu Trp Ser Cys Ile Ser Ser Val Arg
1 5 10 15
Ser His Gly Tyr Leu Gln Ile Lys Ala Pro Ile Asn Gln Met His Leu
20 25 30

<210> 3284
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3284
Met Pro Ser Pro Glu Lys Asn Phe Tyr His Leu Leu Leu Pro Phe Leu
1 5 10 15
Leu Ala Leu Leu Lys Ala Leu Lys Cys Asp Ser Ser Ser Ile Ala Ser
20 25 30

Thr Ser Met Tyr Asn Phe
35

<210> 3285
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3285
Met Ile Leu Phe Phe His Phe Leu Ser Thr Tyr Val Glu Ala Ser Leu
1 5 10 15
Pro Lys His Asn Leu
20

<210> 3286
<211> 71
<212> PRT
<213> Homo sapiens

<400> 3286
Met Ala Ser Trp Glu Thr Phe Lys Arg Pro Ser Leu Ile Leu Ser Ala
1 5 10 15

Tyr Ser Asn Ser Ile Thr Gly Ile Thr Asp Asp Val Ser Ile Gly Leu
20 25 30

Ala Ser Thr Ser Thr Val Thr Arg Cys Leu Leu Ser Pro Lys Val Leu
35 40 45

Ser Lys Val Ser Val Ala Arg Thr Glu Phe Arg Met Val Ser Arg Tyr
50 55 60

Ala Thr Trp Arg Gly Pro Arg
65 70

<210> 3287
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3287
Gln Val Val Gly Met Thr Val Glu His Val Glu Cys Gln Asp Ala Gly
1 5 10 15

Val Arg Glu Ala Pro Gly Pro Leu Glu Gly Ala Gly Glu Ala Gly Gly
20 25 30

Glu Glu Ala Asp Glu Lys Pro Pro Gln Phe Val Cys Arg Glu Cys Lys
35 40 45

Glu Thr Phe Ser Thr Met Thr Leu Leu Arg Arg His Glu Arg Ser His
50 55 60

Pro Glu Leu Arg Pro Phe Pro Cys Thr Gln Cys Gly Lys Ser Phe Ser
65 70 75 80

Asp Arg Ala Gly Xaa Arg Lys His Ser Arg Thr His Ser Ser Val Arg
85 90 95

Pro Tyr Thr Cys Pro His Cys Pro Lys Ala Phe Leu Ser Ala Ser Asp
100 105 110

Leu Arg Lys His Glu Arg Thr His Pro Val Pro Met Gly Thr Pro Thr
115 120 125

Pro Leu Glu Pro Leu Val Ala Leu Leu Gly Met Pro Glu Glu Gly Pro
130 135 140

Ala
145

<210> 3288
<211> 32
<212> PRT

<213> Homo sapiens

<400> 3288

Met Asn Leu Pro Ser Val Asn Leu Gly Phe Arg Cys Phe Tyr Leu Phe
1 5 10 15

Ile Asp Phe Cys Phe Pro Ser Ser Ile Phe Phe Cys Thr Glu Phe Thr
20 25 30

<210> 3289

<211> 117

<212> PRT

<213> Homo sapiens

<400> 3289

Met Gly Leu Glu Ala Thr Ile Ala Met Leu Leu Leu Ser Gly Ala Leu
1 5 10 15

Val Ser Gly Pro Tyr Thr Leu Ile Thr Thr Ala Val Ser Ala Asp Leu
20 25 30

Gly Thr His Lys Ser Leu Lys Gly Asn Ala His Ala Leu Ser Thr Val
35 40 45

Thr Ala Ile Ile Asp Gly Thr Gly Ser Val Gly Ala Ala Leu Gly Pro
50 55 60

Leu Leu Ala Gly Leu Leu Ser Pro Ser Gly Trp Ser Asn Val Phe Tyr
65 70 75 80

Met Leu Met Phe Ala Asp Ala Cys Ala Leu Leu Phe Leu Ile Arg Leu
85 90 95

Ile His Lys Glu Leu Ser Cys Pro Gly Ser Ala Thr Gly Asp Gln Val
100 105 110

Pro Phe Lys Glu Gln
115

<210> 3290

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3290

Met Arg Leu Phe Ser Gln Met Leu Lys Ser Trp Met Ala Leu Phe Met
1 5 10 15

Arg Asn Val Trp Leu Glu Met Thr Ile Ala Thr Xaa Ile Gln

20

25

30

<210> 3291
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3291
Met Phe Ser Leu Ile Ile Leu Leu Val Lys Tyr Asp Ile Pro Lys Glu
1 5 10 15
Asn His Phe Asn Leu Ser Ser Leu Leu Thr Lys Asn Thr Trp Leu Lys
20 25 30
Lys Tyr Ser Leu His Leu Tyr Glu His Leu Pro Tyr Asn Ile Pro Ala
35 40 45
Ile Ile
50

<210> 3292
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3292
Met Lys Asp Gly Ser Arg Ser Leu Pro Gln Leu Ser Ile Cys
1 5 10

<210> 3293
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3293
Met Pro Val Val Phe Val Leu Phe Ser Leu Phe Leu Thr Cys Val His
1 5 10 15
Asp Ser Phe Asp Ser Ala Ser Lys Ser Lys Ser Cys Val Val Thr Gly
20 25 30
Ala Phe Ile Tyr Leu
35

<210> 3294
<211> 56
<212> PRT
<213> Homo sapiens

<400> 3294
Met Leu His Leu Thr Pro Leu Lys Leu Pro Phe Cys Cys Trp Glu Glu
1 5 10 15

Ser Gly Ala Ser Leu Ser Ser Cys Thr Ala Ile Pro Met Leu Val Gly
20 25 30

Ala Ala Leu Pro Leu Val Pro Gly Val Ala Ser Ala Gln Ser Gln Arg
35 40 45

Ala Gly Ser Arg Val Leu His Arg
50 55

<210> 3295
<211> 90
<212> PRT
<213> Homo sapiens

<400> 3295
Met Thr Ser Pro His Phe Gln Leu Ser Ser Ser Leu Phe Met Trp Leu
1 5 10 15

Cys Trp Gly Trp Met Ala Glu Val Gly Trp Thr Asp Gly Tyr Lys Arg
20 25 30

Ile Cys Glu Ser Ile Glu Gly Val Thr Lys Ser Leu Arg Asp Lys Arg
35 40 45

Gly Asn Arg Thr Phe Gln Lys Val Val Leu Leu Ser Gln Thr Leu
50 55 60

Tyr Ile His Val Tyr Phe Cys Lys Leu Leu Ser Pro Phe Gly Gln Thr
65 70 75 80

Thr Ile Thr Arg Val Lys Ser Tyr Gln Glu
85 90

<210> 3296
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3296
Met Arg Lys Gly Ile His Tyr Ile Thr Phe Leu Val Ser Leu Cys Ser
1 5 10 15

Leu Phe His Phe Tyr Gln Thr Glu Gly Val Asn Phe Leu Thr Arg Asn
20 25 30

Leu Lys Asp Arg Asn
35

<210> 3297
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3297
Met Cys His Val Thr Thr

1

5

<210> 3298
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3298
Met Ser Asp Pro Leu Leu Arg Ile Thr Leu Gly Leu Trp Gly Met Trp
1 5 10 15
Leu Phe Cys Gly Arg Gln Ala His Leu Gly Phe Leu Trp Arg Gly Arg
20 25 30

<210> 3299
<211> 13
<212> PRT
<213> Homo sapiens

<400> 3299
Met Ala Ser Leu Gly Gln Ile Leu Phe Trp Ser Ile Ile
1 5 10

<210> 3300
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3300
Met Val Cys Leu Pro Val His Ser Arg Ala Leu Leu Thr Gly Phe Leu
1 5 10 15
Phe Phe Lys Met Leu Cys Cys Lys Ile Leu Ser Tyr Leu Leu Phe Pro
20 25 30
Gly Thr Val
35

<210> 3301
<211> 62
<212> PRT
<213> Homo sapiens

<400> 3301
Met Gly Leu Ser Ala Ala Ser Gln Ile Cys Gly Leu Cys Leu Leu Trp
1 5 10 15
Leu Ser Pro His Phe Ala Ser Gln Ile Cys Pro Pro Val His Ile Leu
20 25 30

Pro Thr Ser Asn Pro Gly Ser Val Ser Ala Ser Gln Arg Thr Trp Thr
35 40 45

Lys Ala Leu Ala Val Ser Gly Leu Val Asp Pro Ser Thr Ser
50 55 60

<210> 3302
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3302
Met Thr Phe Phe Leu Leu Trp Phe Ile Cys Ile Leu Leu Val Leu Phe
1 5 10 15

Gln Lys Asn Ser Ile Glu Met Arg His Arg Tyr Gln
20 25

<210> 3303
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3303
Met Leu Tyr Arg Gly Ser Trp Leu Leu Gly Leu Ser Phe Ala Ser Thr
1 5 10 15
Trp Leu His Val Ala Gly Thr Leu Val Pro Arg Glu Arg Thr Arg Ala
20 25 30

Val Arg Pro Ala Asp Gly His Arg Gly Ala Thr Ala Arg Leu Ala Leu
35 40 45

Val Pro Arg Glu Arg Lys Ser Glu Ala Ala Asp Pro Glu Gly Lys Ala
50 55 60

Glu Ser Ala Met Gln Leu Gln Met Ser Gly
65 70

<210> 3304
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3304
Met Cys Ile Gln Leu Leu Leu Leu Leu Val Trp Gly Arg Gly Leu
1 5 10 15

Glu Ser

<210> 3305
<211> 30

<212> PRT
<213> Homo sapiens

<400> 3305
Met Leu Ile Ser Leu Ser Leu Ser Leu Leu Thr Lys Val Tyr
1 5 10 15
Gln Arg Pro Gln Ala Gln Gly Leu Ser Gln Val Lys Ala Gly
20 25 30

<210> 3306
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3306
Asn Phe Lys His Gln Phe Thr Met Leu Ile Lys Ser Thr Phe Ile Phe
1 5 10 15
Ser Ser Glu Leu Asn Asn Pro Ile Asn Lys
20 25

<210> 3307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3307
Met Tyr Lys Ser Cys Gly Phe Leu Cys Phe Tyr Asp Lys Ser Gly Ile
1 5 10 15
Val Phe Leu Asn
20

<210> 3308
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3308
Met Tyr Trp Trp Pro Phe Ile Phe Pro Ile Phe Leu Ala Ala Thr Glu
1 5 10 15
Ile Cys Pro Ser Phe Ser Gly Asp Asn Phe Ser Val Phe Ser Lys Ser
20 25 30
Ser Ile

<210> 3309
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3309
Met Trp Ile Gly Val Val Leu Ser Ile Trp Lys Leu Leu Leu Glu Ile
1 5 10 15

<210> 3310
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3310
Met Ala Thr Leu Thr Phe Ser Leu Arg Lys Pro Leu Gln Arg Ser Leu
1 5 10 15
Ile Arg Pro Ser Arg Leu Pro Leu Cys Cys Phe
20 25

<210> 3311
<211> 68
<212> PRT
<213> Homo sapiens

<400> 3311
Met Ser Cys Tyr Phe Leu Leu Cys Leu Ser Leu Leu Gln Pro His Trp
1 5 10 15
Pro Ser Tyr Cys Ser Ile Asn Met Pro Gly Thr Phe Leu Pro Gln Gly
20 25 30
Leu Cys Thr Ser His Ala Phe Cys Ser Ser Arg Phe Leu Gln Ser Ser
35 40 45
Phe Pro Thr Ser Phe Met Ser Leu Leu Val His Leu Leu Met Arg Leu
50 55 60
Ser Tyr His Val
65

<210> 3312
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3312
Met Trp Arg His Thr Glu Leu Pro Pro Val Tyr Val
1 5 10

<210> 3313
<211> 44
<212> PRT

<213> Homo sapiens

<400> 3313

Met Ile Phe Pro Leu Gln Glu Phe Ser Leu Phe Gly Gln Trp Trp Leu
1 5 10 15

Gln Val Phe Leu Glu Gly Ile Ile Phe Ile Pro Thr Ile Leu Leu Tyr
20 25 30

Val His Thr Cys Val Pro Ser Asn Ser His Ser Ile
35 40

<210> 3314

<211> 6

<212> PRT

<213> Homo sapiens

<400> 3314

Glu Ile Pro Tyr Lys Glu
1 5

<210> 3315

<211> 26

<212> PRT

<213> Homo sapiens

<400> 3315

Met Glu Pro Gly Phe Asp Leu Ser His Ser Cys Phe Gly Val Cys Pro
1 5 10 15

Leu Asn Thr Leu Tyr Gly Val Ser Asn Leu
20 25

<210> 3316

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3316

Met Gly Asn Leu Phe Phe Leu Ala Leu Leu Val Asn Leu Trp Val Tyr
1 5 10 15

Pro Val Ala Thr Leu Arg Ile Ser Ile Ile Asn Lys Thr Gln
20 25 30

<210> 3317

<211> 5

<212> PRT

<213> Homo sapiens

<400> 3317

Met Pro Lys Ile Leu
1 5

<210> 3318
<211> 5
<212> PRT
<213> Homo sapiens

<400> 3318
Met Pro Lys Ile Leu
1 5

<210> 3319
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3319
Met Phe Gln Gly Gln Trp
1 5

<210> 3320
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3320
Met Thr Phe Cys Phe Cys Ile Gly Phe Thr Val Ile Gln Phe Ser Ser
1 5 10 15
Leu Ile Ser Ser Lys Thr Lys Ser Glu Cys Thr Arg Phe Phe Arg
20 25 30

<210> 3321
<211> 109
<212> PRT
<213> Homo sapiens

<400> 3321
Met Val Phe Leu Pro Ala His Ser Gln Pro Phe Leu Phe Pro Phe Leu
1 5 10 15
Phe Phe Phe Ser Pro His Thr Phe Leu Gly Leu Pro Pro Trp Lys Glu
20 25 30

Glu Gly Leu Thr Trp Val Leu Ser Ser Pro Gln Val Arg Arg Val Thr
35 40 45

Arg Ala Pro Ser Leu Trp Thr Trp Ala Leu Pro Glu Pro Leu Pro Gln
50 55 60

Leu Pro Gln Leu Arg Pro Ala Gly Pro Gly His Gly Leu Arg Lys Ser
65 70 75 80

Pro Ala Pro Asn Pro Gly Arg Asn Trp Pro Leu Leu Gly Ser Leu Phe

85

90

95

Asp Phe Phe Arg Lys Met Ile Ser Ile Ser Phe Gln Pro
100 105

<210> 3322
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3322
Met Leu Glu Tyr Gly Leu Leu Leu Leu Val Ile Leu Val Leu Phe Pro
1 5 10 15

Ser Phe Pro

<210> 3323
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3323
Met His Pro Asp Leu Trp Pro Asp Cys Gly Leu Trp Leu Pro Gln Ala
1 5 10 15

Phe Ser Ser Leu His Trp Val Phe Leu His
20 25

<210> 3324
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3324
Met Ile Arg Tyr Trp Gly Phe Gly Gly Thr Gln Thr Leu Ala Ile Leu
1 5 10 15

Cys Val Pro Leu Asp Gln Ser Pro Lys Arg Arg Gly Ala Gly Arg Lys
20 25 30

Glu Trp Gly Ser
35

<210> 3325
<211> 63
<212> PRT
<213> Homo sapiens

<400> 3325
Met Phe Tyr Ile Leu Phe Ile Cys Leu Gly Ser Arg Val Leu Asn Leu
1 5 10 15

Glu Arg Ser Thr Ser Ile Glu Thr Tyr Gly Ser Cys Ser Leu Glu Ser
20 25 30

Gln Trp Arg Leu Ile Ala Val Leu His Met Asn Ser Asn Leu Thr Leu
35 40 45

Asn His Gln Gln Thr Leu Ser Phe His Gln Asp Val Asp Lys Glu
50 55 60

<210> 3326

<211> 5

<212> PRT

<213> Homo sapiens

<400> 3326

Ser Tyr Cys Ser Val
1 5

<210> 3327

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3327

Met Lys Leu Glu Ala Phe Ile Asp Phe Cys Cys Phe Leu Val Val Leu
1 5 10 15

Thr Trp Ile Gln Val Val Leu Ile His Leu Phe Cys Leu Lys
20 25 30

<210> 3328

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3328

Met Leu Leu Leu Asp Ser Asp Val Trp Phe
1 5 10

<210> 3329

<211> 14

<212> PRT

<213> Homo sapiens

<400> 3329

Met Pro Trp Leu Gln Gln Leu Val Ser Phe Gly Leu Met Ser
1 5 10

<210> 3330

<211> 41

<212> PRT

<213> Homo sapiens

<400> 3330

Glu Ser Leu Leu Leu Val Ile Ala Phe Leu Phe Phe Cys Ser Phe Ser
1 5 10 15

Phe Pro Ser Ile Lys Asp Leu Leu Tyr Ala Phe Arg Lys Ile Thr Lys
20 25 30

Ala Glu Cys Leu Leu Thr Ile Tyr Gly
35 40

<210> 3331

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3331

Lys Asn Cys Tyr Pro Lys Gly Phe Leu Arg Ala Asn Cys Leu Leu
1 5 10 15

<210> 3332

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3332

Met Thr Gln Gly Ile Ile Phe Leu Val Cys Ile Leu Asp Val Leu
1 5 10 15

<210> 3333

<211> 40

<212> PRT

<213> Homo sapiens

<400> 3333

Met Lys Ser Thr Asn Phe Leu Lys Gln Ala Leu Phe Phe Phe Trp
1 5 10 15

Lys Thr Cys Val Val Cys Pro Val Tyr Leu Phe Leu Met Arg Arg Pro
20 25 30

Ala Phe Cys Gly Pro Arg Glu His
35 40

<210> 3334

<211> 53

<212> PRT

<213> Homo sapiens

<400> 3334

Met Gly Ser Ser Thr Phe Ile Leu Phe Phe Ser Phe Leu Leu Phe Ser
1 5 10 15

Pro Phe Leu Ser Pro Ser Pro Thr Thr Ser Leu Tyr Phe Phe Ile
20 25 30

Tyr Ser Arg Leu Ile Phe Ser Ala Lys Arg Cys Leu Gly Pro Leu Thr
35 40 45

Ser Gln Glu Ala Leu
50

<210> 3335
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3335
Met His Phe His Ala Asp Tyr Met His Gly Cys
1 5 10

<210> 3336
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3336
Asn Ser Leu Lys Thr Ile Ile Phe Ala Leu Lys Thr Val Val Phe Leu
1 5 10 15

Asp Leu Pro Val Tyr Ala His Ser Leu Leu Trp His Leu Tyr Ser Tyr
20 25 30

Cys Asn Ala Tyr Ser
35

<210> 3337
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3337
Met Thr Phe Ser Pro Ala Leu Pro Pro Leu Arg Ser Pro Cys Ser Glu
1 5 10 15

Leu Leu Leu Trp Arg Tyr Pro Gly Ser Leu Ile Pro Glu Ala Leu Arg
20 25 30

Leu Leu Arg Leu Gly Asp Thr Pro Ser Pro Pro Tyr Pro Ala Thr Pro
35 40 45

Ala Gly Asp Ile Met Glu Leu
50 55

<210> 3338

<211> 19
<212> PRT
<213> Homo sapiens

<400> 3338
Gly Met Leu His Asp Gly Gln Leu Leu Pro Ser Leu Val Ile Ile His
1 5 10 15

Cys Ser Cys

<210> 3339
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3339
Leu Glu Leu Leu Val Cys Asn Tyr Val Tyr Gly Asn Gly Val Val Phe
1 5 10 15

Met Ile Cys Ile Tyr Ile Ile Trp Met Tyr Ile Tyr
20 25

<210> 3340
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3340
Trp Pro Leu Leu Pro Gln Val Leu Gln Glu Arg Val Trp Trp Ala His
1 5 10 15

Leu Gln Ser Gln Leu Leu Gly Lys Leu Gln Gly Leu Leu Glu Pro Arg
20 25 30

Lys Ser Gln Leu Ala Gly His Leu Glu Leu Pro Lys Asn Thr Leu Ser
35 40 45

Arg Lys
50

<210> 3341
<211> 62
<212> PRT
<213> Homo sapiens

<400> 3341
Met Phe Leu Gly Ser Leu Gly Ile Cys Arg Phe Ala Leu Trp Ile Leu
1 5 10 15

Thr Val Phe Lys Val Leu Met Ile Ser Gln Ser Phe Phe Leu Thr Ser
20 25 30

Glu Lys Lys Met His Cys Phe Leu Ile Phe Pro Met Gln Asn Gln Asn
35 40 45

Lys Lys Leu Ile Leu Cys Phe Lys Lys Lys Lys Asn Ser
50 55 60

<210> 3342
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3342
Met Lys Gly Val Leu Leu Ile Asn Leu Leu Tyr Tyr Leu Asp Thr Phe
1 5 10 15
Val Tyr Ser Leu Gln Pro Thr Cys Ile Arg Gly Ile Gly Val Gly Leu
20 25 30
Asn His Gln His Tyr Phe Ile Lys
35 40

<210> 3343
<211> 142
<212> PRT
<213> Homo sapiens

<400> 3343
Met Cys Ala Pro Ala Phe Pro Ala Trp Asn Val Phe Trp Leu Ser Cys
1 5 10 15
Ser Asn Ile Cys Glu Pro Ser Val Cys Pro Val Ser Leu Gly Ser Leu
20 25 30
Gln Val Gln Glu His Thr Cys Arg Ala Gln His Asp Asp Gly Val Lys
35 40 45
Gly Arg Lys Gln Ser Ser Glu Gly Val Gly Arg Trp Ala Val Cys Pro
50 55 60
Arg Gln Val Pro Ser Pro Ala Ser Phe Leu Arg Pro Gly Arg Ala
65 70 75 80
Ala Met Val Leu Ala Ala Ser Pro Ser Val Leu Thr Val Ser Leu His
85 90 95
Leu Gly Pro Pro Glu Ser Gln Val Ser Phe Ser Ser Asn Leu Thr Arg
100 105 110
Glu Lys Lys His Gly Cys Ala Trp Pro Thr Gly Pro Gly Gly Asp Gly
115 120 125
Pro Pro Arg Ser Leu Lys Leu Trp Met Ala Ala Val Leu Tyr
130 135 140

<210> 3344
<211> 43
<212> PRT

<213> Homo sapiens

<400> 3344

Met Met Leu Leu Asn Ser Ile Gln Val Leu Leu Tyr Val Pro Ile Val
1 5 10 15

Phe Arg Phe Leu Thr Asp Cys Cys Gly Cys Thr Ser Leu Ser Asp Cys
20 25 30

Ser Leu Ile Tyr Cys Arg Thr Leu Gly Cys Phe
35 40

<210> 3345

<211> 36

<212> PRT

<213> Homo sapiens

<400> 3345

Met Cys Ile Leu Phe Cys Thr Pro Ile Ser Leu Phe Leu Cys Trp Leu
1 5 10 15

Pro Gly Pro Ser Leu Glu Pro Trp Val Glu Arg Leu Leu Lys Asp His
20 25 30

His Arg Gln Pro
35

<210> 3346

<211> 81

<212> PRT

<213> Homo sapiens

<400> 3346

Met His Pro Phe Phe Pro Gln Arg Gly Trp Thr Gln Val Ser Leu Gly
1 5 10 15

Val Gly Ala Pro Ala Leu Cys His Arg His Gly Glu Gly Phe Leu Leu
20 25 30

Thr Pro Ser Ala Leu Pro Thr Trp Val Val Leu Ser Lys Lys Val Ile
35 40 45

Pro Pro Ala Leu Ala Pro Phe Pro Arg Thr Lys His Val Asp His Val
50 55 60

Gln Tyr Phe Leu Leu Cys Arg Glu Ala Ala Met Ser Glu Ile Lys Ala
65 70 75 80

Val

<210> 3347

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3347
Met Thr Ile Phe Glu Pro Ser
1 5

<210> 3348
<211> 51
<212> PRT
<213> Homo sapiens

<400> 3348
Met Gly Ala Ala Ala Ala Pro Ala Trp Val Leu Leu Cys Ile Pro Ala
1 5 10 15
Gly Gln Gly Pro Leu Pro Gly Pro Arg Leu Pro Phe His Ile Pro Ile
20 25 30
Leu Lys Phe Cys Tyr Cys Gly Ile Leu Val Glu Lys Lys Glu Pro Arg
35 40 45
Gly Cys Phe
50

<210> 3349
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3349
Met Thr Ala Val Gly Gly Ser Ile Cys Val Met Leu Val Val Ile Cys
1 5 10 15
Leu Leu Val Ala Tyr Ile Thr Glu Asn Leu Met Arg Pro Ala Leu Ala
20 25 30
Arg Pro Gly Leu Arg Arg His Pro
35 40

<210> 3350
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3350
Met Ser Thr Gly His Gly Ala Cys Leu Val Ser Leu Pro Val Val Gln
1 5 10 15
Ala

<210> 3351
<211> 41
<212> PRT

<213> Homo sapiens

<400> 3351

Met Arg Thr Leu Leu Phe Leu Ser Leu Ala Phe Lys Ala Cys His Asn
1 5 10 15

Leu Val Thr Pro Leu Ile Pro Val Ser Ser Ser Ile Phe Pro Ala Thr
20 25 30

His Arg Phe Pro Val Phe Thr Ile Ser
35 40

<210> 3352

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3352

Met Ile Cys Leu Ala Leu Tyr
1 5

<210> 3353

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3353

Met Thr Gly Leu Tyr Ala Val Gly Arg Gly Ala Trp Thr Ala Gly Leu
1 5 10 15

Cys Ala Val Gly Trp Gly Gly Leu Asp Val Trp Leu Leu Cys Gly Ala
20 25 30

Gly Ala Gly Leu Gly Pro Xaa Gly Arg Leu Glu Gly Gln Pro Gly Pro
35 40 45

Val Val Ser Leu Val Arg Asn Arg Lys
50 55

<210> 3354

<211> 52

<212> PRT

<213> Homo sapiens

<400> 3354

Met Pro Ala Val Ser Ala Phe Phe Ser Leu Ala Ala Leu Ala Glu Val
1 5 10 15

Ala Ala Met Glu Asn Val His Arg Gly Gln Arg Ser Thr Pro Leu Thr
20 25 30

His Asp Gly Gln Pro Lys Glu Met Pro Gln Leu Pro Val Leu Ile Ser
35 40 45

Cys Ala Asp Gln
50

<210> 3355
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3355
Met Leu Ile Thr Leu Ile Ile Val Val Gly Thr Phe Cys Ser Trp Val
1 5 10 15
Gln Ala Tyr Phe Thr His Ile Trp Leu Leu Cys Leu Phe Trp Lys Thr
20 25 30

Ala Ala Ser Trp Ser Asp
35

<210> 3356
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3356
Met Lys Phe Val Leu Phe Tyr Leu Cys Thr Gly Tyr Pro Leu Phe Trp
1 5 10 15

Glu Cys Phe Phe Ile Leu
20

<210> 3357
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3357
Asp Thr Ile Val Leu Ser Gly Cys Leu Cys Leu Cys Tyr Tyr Val
1 5 10 15

<210> 3358
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3358
Met Gly Thr Ser Ser Ile Leu Gln Met Lys
1 5 10

<210> 3359
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3359
Met Val Cys Gly Glu Trp Val Pro Gly Met Leu Arg Ala Leu Arg Ala
1 5 10 15
Ala Leu Phe Leu Phe Ile Ala Ile Ser Val Lys Leu Ser Phe Leu Gly
20 25 30
Asn Val His Arg Leu Ala Thr Ala Asp Val Leu
35 40

<210> 3360
<211> 68
<212> PRT
<213> Homo sapiens

<400> 3360
Lys Leu Trp Gln Thr Met Cys Asp Ala Phe Phe Cys Ile Gly Cys Ser
1 5 10 15
His Trp Ile Ala Gly Ser Gly Tyr Cys Val Ile Val Ala Ala Leu Gly
20 25 30
Leu Ala Glu Gly Pro Leu Cys Leu Asp Ser Leu Gly Gln Trp Asn Tyr
35 40 45
Thr Phe Ala Gln His Arg Gly Pro Val Pro Ser Gly Tyr Leu His Met
50 55 60
Val Arg Val His
65

<210> 3361
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3361
Met Ala Leu Thr Gly Ala Phe Ile Val Lys Ser Tyr Ser Arg Gly Trp
1 5 10 15
Ser Cys Gly Cys Val Cys Ser Val Pro Ile
20 25

<210> 3362
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3362

Met Leu Trp Ile Phe Lys Trp Gln Val Leu
1 5 10

<210> 3363
<211> 218
<212> PRT
<213> Homo sapiens

<400> 3363
Met Gly Met Trp Ser Ile Gly Ala Gly Ala Leu Gly Ala Ala Ala Leu
1 5 10 15
Ala Leu Leu Leu Ala Asn Thr Asp Val Phe Leu Ser Lys Pro Gln Lys
20 25 30
Ala Ala Leu Glu Tyr Leu Glu Asp Ile Asp Leu Lys Thr Leu Glu Lys
35 40 45
Glu Pro Arg Thr Phe Lys Ala Lys Glu Leu Trp Glu Lys Asn Gly Ala
50 55 60
Val Ile Met Ala Val Arg Arg Pro Gly Cys Phe Leu Cys Arg Glu Glu
65 70 75 80
Ala Ala Asp Leu Ser Ser Leu Lys Ser Met Leu Asp Gln Leu Gly Val
85 90 95
Pro Leu Tyr Ala Val Val Lys Glu His Ile Arg Thr Glu Val Lys Asp
100 105 110
Phe Gln Pro Tyr Phe Lys Gly Glu Ile Phe Leu Asp Glu Lys Lys Lys
115 120 125
Phe Tyr Gly Pro Gln Arg Arg Lys Met Met Phe Met Gly Phe Ile Arg
130 135 140
Leu Gly Val Trp Tyr Asn Phe Phe Arg Ala Trp Asn Gly Gly Phe Ser
145 150 155 160
Gly Asn Leu Glu Gly Glu Gly Phe Ile Leu Gly Gly Val Phe Val Val
165 170 175
Gly Ser Gly Lys Gln Gly Ile Leu Leu Glu His Arg Glu Lys Glu Phe
180 185 190
Gly Asp Lys Val Asn Leu Leu Ser Val Leu Glu Ala Ala Lys Met Ile
195 200 205
Lys Pro Gln Thr Leu Ala Ser Glu Lys Lys
210 215

<210> 3364
<211> 195
<212> PRT
<213> Homo sapiens

<400> 3364

Met Gly Met Trp Ser Ile Gly Ala Gly Ala Leu Gly Ala Ala Ala Leu
1 5 10 15

Ala Leu Leu Leu Ala Asn Thr Asp Val Phe Leu Ser Lys Pro Gln Lys
20 25 30

Ala Ala Leu Glu Tyr Leu Glu Asp Ile Asp Leu Lys Thr Leu Glu Lys
35 40 45

Glu Pro Arg Thr Phe Lys Ala Lys Glu Leu Trp Glu Lys Asn Gly Ala
50 55 60

Val Ile Met Ala Val Arg Arg Pro Gly Cys Phe Leu Cys Arg Glu Glu
65 70 75 80

Ala Ala Asp Leu Ser Ser Leu Lys Ser Met Leu Asp Gln Leu Gly Val
85 90 95

Pro Leu Tyr Ala Val Val Lys Glu His Ile Arg Thr Glu Val Lys Asp
100 105 110

Phe Gln Pro Tyr Phe Lys Gly Glu Ile Phe Leu Asp Glu Lys Lys Lys
115 120 125

Phe Tyr Gly Pro Gln Arg Arg Lys Met Met Phe Met Gly Phe Ile Arg
130 135 140

Leu Gly Val Trp Tyr Asn Phe Phe Arg Ala Trp Asn Gly Gly Phe Ser
145 150 155 160

Gly Asn Leu Glu Gly Glu Ser Ser Leu Gly Glu Phe Ser Trp Trp
165 170 175

Asp Gln Glu Ser Arg Ala Phe Phe Leu Ser Thr Glu Lys Lys Asn Leu
180 185 190

Gly Thr Lys
195

<210> 3365
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3365
Met Ser Trp Ile Leu Phe Leu Leu Ala Leu Val Glu His Ile Phe Pro
1 5 10 15

Leu Gln Ser Ser Gly
20

<210> 3366
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3366

Gly Arg Ser Tyr Val Lys Asn Gln Val Phe Cys Gly Ile Phe Tyr Arg
1 5 10 15

Asn Arg

<210> 3367

<211> 41

<212> PRT

<213> Homo sapiens

<400> 3367

Met Lys Cys Phe Leu Leu Leu Cys Cys Ala Ile Val Leu Cys Phe Ser
1 5 10 15

Lys His Cys Lys Asn Ser Ile Phe Gly Leu Val Phe Trp Ile Ile Tyr
20 25 30

Tyr Asn Leu Arg Ser Val Leu Leu Met
35 40

<210> 3368

<211> 21

<212> PRT

<213> Homo sapiens

<400> 3368

Met Phe Ile Tyr Leu Ala Val Phe Val Tyr Leu Leu Glu Leu Trp Ser
1 5 10 15

Gln Leu Pro Gly Thr
20

<210> 3369

<211> 29

<212> PRT

<213> Homo sapiens

<400> 3369

Met Ser Lys Pro Lys Lys Tyr Thr Ile Val Leu Val Leu Leu Pro Tyr
1 5 10 15

Arg Glu Ala Ile Gln Thr Val Gly Met Asn Leu Ser Tyr
20 25

<210> 3370

<211> 45

<212> PRT

<213> Homo sapiens

<400> 3370

Met Val Thr Ser Gly Met Leu Val Phe Ser Ile Lys Thr Phe Ser Ser
1 5 10 15

Lys Ala Phe Leu Ala Val Val Ser Phe Ile Leu Val Val Ser Ile Lys
20 25 30

Cys Ser Glu Gly Ala Asp Thr Ser Arg Lys Gly Phe Ser
35 40 45

<210> 3371
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3371
Met Ser Ala Leu Leu Glu Ile Leu Ala Leu Leu Leu His Ser Val Ser
1 5 10 15

Gly Pro Gly Met Gly Val Phe Arg Ser Ser Pro Ser Phe Pro Gly Ala
20 25 30

Ala Thr Trp Leu Phe Gly
35

<210> 3372
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3372
Met Ser Ala Leu Leu Glu Ile Leu Ala Leu Leu Leu His Ser Val Ser
1 5 10 15

Gly Pro Gly Met Gly Val Phe Arg Ser Ser Pro Ser Phe Pro Gly Ala
20 25 30

Ala Thr Trp Leu Phe Gly
35

<210> 3373
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3373
Met Arg Phe Phe Cys Ser Leu Met Phe Phe Gly Tyr Gly Tyr Gly Ile
1 5 10 15

Cys Arg Leu Gly Gly Lys Glu Leu Lys Ile Thr Gly Ala Gly
20 25 30

<210> 3374
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3374

Met Asn Asn Leu Leu Ile Leu Phe Leu Lys Thr Ser Cys Leu Cys Phe
1 5 10 15
Leu Ile Cys Val Cys Ile Phe Lys His Phe Val Arg Leu Ser Ala Thr
20 25 30
Leu Gly Ser
35

<210> 3375

<211> 78

<212> PRT

<213> Homo sapiens

<400> 3375

Met Tyr Ile Ala Leu Ser Ser Val His Ala Leu Ile Leu Cys Gly Phe
1 5 10 15
Gln Phe Ile Ser Cys Val Arg Gly Gln Trp Thr Glu Cys Ser Asp Phe
20 25 30
Ser Pro Pro Ile Thr Val Ile Leu Leu Ile Phe Leu Cys Leu Glu Gly
35 40 45
Leu Leu Phe Phe Thr Phe Thr Gly Ser Tyr Val Trp His Pro Asn Pro
50 55 60
Leu His Met Gln Arg Arg Asp Gly Asp Arg Ala Ile Glu Lys
65 70 75

<210> 3376

<211> 8

<212> PRT

<213> Homo sapiens

<400> 3376

Met Leu Ala Ser Gly Glu Tyr Ile
1 5

<210> 3377

<211> 34

<212> PRT

<213> Homo sapiens

<400> 3377

Met Asn Val Phe Phe Pro Cys Trp Ser Leu Ile Phe Met Ile Val
1 5 10 15
Phe Gln Phe Leu Asp Leu Thr Ser Cys Met Arg Ser Thr Glu Ser Thr
20 25 30
Gln Glu

<210> 3378
<211> 76
<212> PRT
<213> Homo sapiens

<400> 3378
Met Lys Lys His Val Leu Val Ala His Phe His Tyr Leu Ile Asn Ser
1 5 10 15
Tyr Phe Gly Leu Arg Thr Glu Glu Met Gly Glu Gln Pro Lys Thr Asn
20 25 30
Asp Thr Val Ser Ile Glu Lys Ile Pro Pro Pro Asp Lys Tyr Tyr Cys
35 40 45
Lys Lys Cys Asn Ala Gln Cys Gln Gln Pro Gly Cys Val Asn Val Ser
50 55 60
His Phe Asp Ile Arg His Thr Gln Arg Phe Gly Glu
65 70 75

<210> 3379
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3379
Met Asn Gly Arg Arg Leu Ile Phe Pro Tyr Val Leu
1 5 10

<210> 3380
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3380
Met Leu Ala Ala Asp Trp Leu Gly Trp Val Lys Ser Gln Gly Val Glu
1 5 10 15
Ala Val Leu Leu Trp Ala Glu Leu Leu Gly Gly Ala Ile Gly Val
20 25 30
Gly Leu Leu Gly Pro Gly Arg Thr Thr Gly Val Arg His Ala Lys Ile
35 40 45

Lys

<210> 3381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3381
Met Phe Ser Trp Lys Leu Leu Tyr Ser Leu Ile Leu His Gly Leu Ala
1 5 10 15

Leu Asn Cys Leu
20

<210> 3382
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3382
Met Phe Val Leu Leu Phe Ser Glu Ile Phe Leu Ser Thr Val Ala Gly
1 5 10 15

Lys Leu Arg Ser Gly Pro Cys Ala Ala Cys Leu Leu Leu Pro
20 25 30

<210> 3383
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3383
Met Thr Arg Asp Asp Thr Leu Ser Leu Trp Leu Gly Leu Val Ile Leu
1 5 10 15

Ile Asn Cys Leu Tyr Leu Tyr Leu Thr Glu Thr Ser Leu Lys Met Pro
20 25 30

Leu Tyr

<210> 3384
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3384
Ile Leu Ser Thr Gly Phe Cys Phe Leu Leu Phe Leu Phe Val Leu Arg
1 5 10 15

Lys Gly Lys Lys Ser Gln Val Cys Leu Thr Ile Gln
20 25

<210> 3385
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3385

Met Ser Phe Ser Leu Ser Leu Thr Thr Gln Tyr Leu Cys Val Ser Leu
1 5 10 15

Ser Leu Val Met Lys Cys Leu Ser Leu Trp Pro Val Ser His Cys Leu
20 25 30

Tyr Ile Cys Phe Pro
35

<210> 3386

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3386

Met His Arg Lys Phe Cys Ile Phe Thr Leu Leu Leu Val Phe Ser Arg
1 5 10 15

Ser Glu Ser Glu His Leu Pro Phe Leu Ala Ala Ala Gly Ala Leu
20 25 30

<210> 3387

<211> 73

<212> PRT

<213> Homo sapiens

<400> 3387

Met Thr Val Leu Leu Leu Leu Ile Pro Leu Ser Lys Arg Glu Pro Phe
1 5 10 15

Ser Lys Ser Phe Asp Gly Lys Ser Ser Gly Ile His Phe Ala Val Leu
20 25 30

Ile Gly Leu Leu Leu Thr Phe Cys Phe Leu Ile Leu Lys Ser Cys Lys
35 40 45

Gly His Pro Phe Leu Phe Ser Ser Gln Cys Arg Asp Tyr Thr Asp Lys
50 55 60

Val Lys Phe Pro Gly Ala Ser Val Leu
65 70

<210> 3388

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3388

Met Leu Leu Val Leu Thr Val Phe Ser Phe His Lys His Cys Ser Gly
1 5 10 15

Lys Leu Val Leu Cys Ala Ala Gly Pro Phe Ala Tyr Val Xaa Thr Ile
20 25 30

Asn Gln Xaa Leu Asn Leu Lys Lys Lys
35 40

<210> 3389

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3389

Val Xaa Pro Cys Gly Cys Xaa Xaa
1 5

<210> 3390

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3390
Met Leu Xaa Leu Arg Leu Thr Ile Val Ile Ile His Ile Ser Val Ser
1 5 10 15

Ala Asp Leu Ser Leu Gln Tyr Phe Phe Ser Xaa Leu Xaa Asn Phe Leu
20 25 30

Xaa Leu Xaa Val Lys Pro Lys Cys
35 40

<210> 3391
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3391
Met Lys Glu Met Asn Asp Phe Cys Gln Ser Leu Phe Ile Gln Ser Ser
1 5 10 15

His Ser Val Asn Cys Phe Leu Ile Arg Ser Ala Ser Ala Arg Thr Val
20 25 30

Leu Thr Ser Ile Ile
35

<210> 3392
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3392
Met Glu Lys Thr Leu Phe Leu Tyr His Tyr Leu Pro Xaa Leu Thr Phe
1 5 10 15

Gln Ile Leu Leu Leu Pro Val Val Leu Gln His Ile Ser Asp His Leu
20 25 30

Cys Arg Ser Gln Leu Gln Arg Xaa Ile Phe Ser Ala Leu Val Val Ala

35

40

45

Trp Tyr Ser Ser Ala Cys His Val Ser Asn Thr Leu Arg Pro Leu Thr
50 55 60

Tyr Gly Asp Lys Ser Leu Ser Pro His Glu Leu Lys Ala Leu Arg Trp
65 70 75 80

Lys Asp Ser Trp Asp Ile Leu Ile Arg Lys His
85 90

<210> 3393

<211> 48

<212> PRT

<213> Homo sapiens

<400> 3393

Met Ser Ser Arg Pro Leu Trp Arg Ala Arg Ala Leu Ile Trp Leu Thr
1 5 10 15

Trp Gly Gln Pro Arg Thr Val Ser Phe Leu Arg Leu Thr Gly Cys Ser
20 25 30

Arg Arg Pro Gln Ser Met Leu Gln Arg Val Lys Ser Ala Ser Glu Ala
35 40 45

<210> 3394

<211> 43

<212> PRT

<213> Homo sapiens

<400> 3394

Phe Ser Tyr Cys Leu Arg Val Ile Ser Leu Cys Lys Pro Leu Ser Phe
1 5 10 15

Val Leu Val Phe Phe Ser Ile Met Lys Leu Trp Tyr Cys Thr Arg Ser
20 25 30

Val Val Arg Cys Ser Leu Val Ser Gly Leu Val
35 40

<210> 3395

<211> 38

<212> PRT

<213> Homo sapiens

<400> 3395

Met Ala Asn Leu Ala Ala Leu Ser Leu Cys Phe Leu Leu Phe Ser Phe
1 5 10 15

Leu Pro Leu Phe Pro Thr Leu Leu Ser Ser Leu Gln Ser Thr Thr Cys
20 25 30

Thr Pro Gly Ala Pro Gly
35

<210> 3396
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3396
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15

Leu Tyr Leu

<210> 3397
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3397
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15

Leu Tyr Leu

<210> 3398
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3398
Met Trp Leu Met Met Gln Leu Leu Ser Phe Phe Val Phe Leu Cys Leu
1 5 10 15

Leu Tyr Leu

<210> 3399
<211> 134
<212> PRT
<213> Homo sapiens

<400> 3399
Met Glu Met Met Glu Ser Gln Thr Leu Leu Leu Thr Leu Leu Ser Val
1 5 10 15

Lys Met Glu Asn Asn Leu Ala Glu Phe Glu Arg Arg Ala Glu Lys Asn
20 25 30

Leu Leu Ile Met Cys Lys Glu Lys Glu Lys Leu Gln Lys Lys Ala His

35

40

45

Glu Leu Lys Arg Arg Leu Leu Leu Ser Gln Arg Lys Arg Glu Leu Ala
50 55 60

Asp Val Leu Asp Ala Gln Ile Glu Met Leu Ser Pro Phe Glu Ala Val
65 70 75 80

Ala Thr Arg Phe Lys Glu Gln Tyr Arg Thr Phe Ala Thr Ala Leu Asp
85 90 95

Thr Thr Arg His Glu Leu Pro Val Lys Ser Ile His Leu Glu Gly Asp
100 105 110

Gly Gln Gln Leu Leu Asp Ala Leu Gln Leu Glu Leu Val Thr Ile Gln
115 120 125

Arg Leu Leu Gly Arg Thr
130

<210> 3400

<211> 35

<212> PRT

<213> Homo sapiens

<400> 3400

Met Pro Leu Met Ser Leu Leu Val Thr Val His Phe Val Val Leu Ser
1 5 10 15

Lys Cys Cys Ala Asn Ser Lys Pro Phe Leu Lys Phe Phe Ala Leu Ile
20 25 30

Arg Val Pro
35

<210> 3401

<211> 24

<212> PRT

<213> Homo sapiens

<400> 3401

Met His Ile Asn Phe Leu Phe Ser Phe Tyr Ser Thr Tyr Tyr Gln Leu His
1 5 10 15

Ser Val Cys Phe Pro Lys Leu Val
20

<210> 3402

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3402

Met Asp Ser Leu Ala Trp Gly Gly Ile Phe Glu Leu His Phe Leu Gln
1 5 10 15

Cys Ala Ser Pro Ser Gln Arg Ile Gln Gly Cys His Gln Leu Leu Leu
20 25 30

Glu Gly Ala Leu Cys Leu Val
35

<210> 3403
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3403
Phe Phe His Ile Cys Ile Thr Ile Cys Ser Phe Ser
1 5 10

<210> 3404
<211> 13
<212> PRT
<213> Homo sapiens

<400> 3404
Met Glu Ala Glu Glu Ala Leu Leu Trp Ile Leu Leu Gln
1 5 10

<210> 3405
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3405
Met Val Asn Asp Ser Leu Leu Tyr Phe Ser Phe Phe Phe Phe Phe
1 5 10 15

Leu Trp Phe Ser Ser Trp Ile His Pro Leu Ile Leu Asn Gln Asn Val
20 25 30

Arg Ser Met Asn Tyr Glu Leu Lys Tyr Phe Ser
35 40

<210> 3406
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3406
Gly Ile Val Leu Leu Ile Gly Val Leu Val Gln Val Ser Ala Val Asp
1 5 10 15

Asp

<210> 3407
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3407
Met Glu Gln Val His Pro Gly Arg Thr Arg Thr Arg Leu His Cys Gly
1 5 10 15

Leu Glu Ile Gln Gly Cys Gln Arg Phe Leu Leu Cys Ala Phe Leu Ile
20 25 30

Ser Trp Leu Pro Gly Gly Ala Pro Gly Cys His Ser Pro Leu Leu Trp
35 40 45

Pro Tyr Ser Ile Phe His Ser Asn Ala Ser Leu Cys Gly Arg Ser Ser
50 55 60

Asp Asn Ser Ser Asp Gln Asp Phe Lys Ile
65 70

<210> 3408
<211> 435
<212> PRT
<213> Homo sapiens

<400> 3408
Met Gly His Asn Phe Gly Met Phe His Asp Asp Tyr Ser Cys Lys Cys
1 5 10 15

Pro Ser Thr Ile Cys Val Met Asp Lys Ala Leu Ser Phe Tyr Ile Pro
20 25 30

Thr Asp Phe Ser Ser Cys Ser Arg Leu Ser Tyr Asp Lys Phe Phe Glu
35 40 45

Asp Lys Leu Ser Asn Cys Leu Phe Asn Ala Pro Leu Pro Thr Asp Ile
50 55 60

Ile Ser Thr Pro Ile Cys Gly Asn Gln Leu Val Glu Met Gly Glu Asp
65 70 75 80

Cys Asp Cys Gly Thr Ser Glu Glu Cys Thr Asn Ile Cys Cys Asp Ala
85 90 95

Lys Thr Cys Lys Ile Lys Ala Thr Phe Gln Cys Ala Leu Gly Glu Cys
100 105 110

Cys Glu Lys Cys Gln Phe Lys Lys Ala Gly Met Val Cys Arg Pro Ala
115 120 125

Lys Asp Glu Cys Asp Leu Pro Glu Met Cys Asn Gly Lys Ser Gly Asn
130 135 140

Cys Pro Asp Asp Arg Phe Gln Val Asn Gly Phe Pro Cys His His Gly
145 150 155 160

Lys Gly His Cys Leu Met Gly Thr Cys Pro Thr Leu Gln Glu Gln Cys

165	170	175
Thr Glu Leu Trp Gly Pro Gly Thr	Glu Val Ala Asp Lys Ser Cys Tyr	
180	185	190
Asn Arg Asn Glu Gly Gly Ser Lys Tyr Gly Tyr Cys Arg Arg Val Asp		
195	200	205
Asp Thr Leu Ile Pro Cys Lys Ala Asn Asp Thr Met Cys Gly Lys Leu		
210	215	220
Phe Cys Gln Gly Gly Ser Asp Asn Leu Pro Trp Lys Gly Arg Ile Val		
225	230	235
Thr Phe Leu Thr Cys Lys Thr Phe Asp Pro Glu Asp Thr Ser Gln Glu		
245	250	255
Ile Gly Met Val Ala Asn Gly Thr Lys Cys Gly Asp Asn Lys Val Cys		
260	265	270
Ile Asn Ala Glu Cys Val Asp Ile Glu Lys Ala Tyr Lys Ser Thr Asn		
275	280	285
Cys Ser Ser Lys Cys Lys Gly His Ala Val Cys Asp His Glu Leu Gln		
290	295	300
Cys Gln Cys Glu Glu Gly Trp Ile Pro Pro Asp Cys Asp Asp Ser Ser		
305	310	315
320		
Val Val Phe His Phe Ser Ile Val Val Gly Val Leu Phe Pro Met Ala		
325	330	335
Val Ile Phe Val Val Val Ala Met Val Ile Arg His Gln Ser Ser Arg		
340	345	350
Glu Lys Gln Lys Lys Asp Gln Arg Pro Leu Ser Thr Thr Gly Thr Arg		
355	360	365
Pro His Lys Gln Lys Arg Lys Pro Gln Met Val Lys Ala Val Gln Pro		
370	375	380
Gln Glu Met Ser Gln Met Lys Pro His Val Tyr Asp Leu Pro Val Glu		
385	390	395
400		
Gly Asn Glu Pro Pro Ala Ser Phe His Lys Asp Thr Asn Ala Leu Pro		
405	410	415
Pro Thr Val Phe Lys Asp Asn Pro Met Ser Thr Pro Lys Asp Ser Asn		
420	425	430
Pro Lys Ala		
435		

<210> 3409
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3409

Met Lys Val Leu Ser Phe Leu Leu Cys Ile Arg Ile Ser Phe Leu Phe
1 5 10 15

Val Val Glu Ser Ile Val Arg Gly Ile Ser Lys Leu Asn Glu Val Asn
20 25 30

<210> 3410
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3410
Met Lys Val Leu Ser Phe Leu Leu Cys Ile Arg Ile Ser Phe Leu Phe
1 5 10 15

Val Val Glu Ser Ile Val Arg Gly Ile Ser Lys Leu Asn Glu Val Asn
20 25 30

<210> 3411
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3411
Met Leu His Ile Ile Gln Lys Leu Tyr Pro Asp His Leu Phe Leu Phe
1 5 10 15

Phe Ile Val Lys Tyr Leu Cys Phe Ile His Cys
20 25

<210> 3412
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3412
Met Gly Ile Thr His Glu Tyr Leu Cys Val Cys Val Cys Val
1 5 10

<210> 3413
<211> 105
<212> PRT
<213> Homo sapiens

<400> 3413
Met Trp Gly Ala Phe Trp Asn Thr Leu Leu Cys Pro Val Ser Gly Ala
1 5 10 15

Glu Gly Tyr Arg Gln Ser Met Pro His Lys Pro Ala His Pro Arg Asp
20 25 30

Thr Ser Thr Leu Cys Pro Ser Cys Met Tyr His Trp Gly Arg Asn Leu
35 40 45

Gly Ser Val Phe Thr Thr Ala Ala Ala Trp Ser His Glu Phe Phe Pro
50 55 60

Ser Ala Ala Asp Ser Leu Gln Gly Ser Ser Leu Pro Pro Pro Leu
65 70 75 80

Leu Lys Leu Gln Ser Thr Gly Tyr Gly Ser Gly Trp Phe Pro Gln Gly
85 90 95

Ser Arg Tyr Val Gly Gly Glu Glu Asn
100 105

<210> 3414

<211> 36

<212> PRT

<213> Homo sapiens

<400> 3414

Met Lys Tyr Ser Cys Leu Lys Gly Ser Tyr Thr Val Phe Met Ala Ile
1 5 10 15

Leu Ala Leu Leu Leu Val Val Cys Ile Phe Tyr Gln Arg Lys Pro Val
20 25 30

Phe Arg Asp Gly
35

<210> 3415

<211> 21

<212> PRT

<213> Homo sapiens

<400> 3415

Val Gly Ile Cys Leu Ser Phe Thr Gln Gly Trp Ser Trp Ser Phe Thr
1 5 10 15

Cys Gln Phe Cys Leu
20

<210> 3416

<211> 29

<212> PRT

<213> Homo sapiens

<400> 3416

Met Asp Ser Ala Thr Ala Pro Val Ala Ala Gly Asp Cys Gly Gln Trp
1 5 10 15

Trp Thr Leu Leu Leu Cys Thr Cys Cys Arg Leu Phe Leu
20 25

<210> 3417
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3417
Met Trp Gly Gly Gln Arg Val Cys Trp Ala Gly Phe Ala Phe Pro Ala
1 5 10 15

Gly Ala Thr Ala Val Leu Thr Asn Glu Val Cys Cys Gln Val
20 25 30

<210> 3418
<211> 51
<212> PRT
<213> Homo sapiens

<400> 3418
Gly Cys Glu Gly Leu Ala Ile Leu Leu Ser Trp Val His Val Ser Asp
1 5 10 15

Arg Asn Gly Ala Ala Trp Glu Arg Ser Pro Ser Phe Thr Phe Ser Leu
20 25 30

Leu Pro Pro Pro Tyr Ser Lys Thr Val Pro Pro Thr Glu Gly Gln
35 40 45

Gly Leu Leu
50

<210> 3419
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3419
Met Ile His Leu Gly Phe Leu Leu Pro Leu Ser Leu Val Trp Arg Arg
1 5 10 15

Arg Asp Gly Ile Gln Trp Thr Glu Glu Phe Ile Phe Gln Gly
20 25 30

<210> 3420
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3420
Met Ile Ile Gln Leu Val Leu Ser Leu Pro Leu Phe Phe Leu Cys Cys
1 5 10 15

Asp Ser Val Thr Glu Tyr Glu Leu Val Ala Arg Val Leu Trp
20 25 30

<210> 3421
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3421
Met Thr Tyr Met Val Ala
1 5

<210> 3422
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3422
Met Ala Ile Glu Phe Tyr Val Phe Ala Phe Phe Val Leu Ile Glu Ile
1 5 10 15
Ile Pro Ser Ser Leu Ser Ala Tyr Leu Met Thr Pro Ala Phe Gln Ile
20 25 30
His Arg Phe Thr Phe Ser Ile
35

<210> 3423
<211> 56
<212> PRT
<213> Homo sapiens

<400> 3423
Met Pro Asn Asn Leu Ser Leu Phe Tyr Val Phe Ser Leu Ser Phe Leu
1 5 10 15
Ser Ser Phe Ile Pro Leu Ile Val Thr Ala Lys Lys Met Ser Val Pro
20 25 30
Val Thr Leu Pro Pro Leu Phe Ser Leu Ser Pro Ala Leu Trp Ser Gly
35 40 45
Pro Trp Ser Thr Ser Asn Ser Pro
50 55

<210> 3424
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3424
Met His Gln Asn Val Leu Gly Arg Val Ser Trp Leu Arg Ile Gly Leu

1

5

10

15

Phe Glu Leu Phe Gln Trp Ala Leu Gly His Arg Gly Cys Pro Leu Leu
20 25 30

Ser Gly Ala Arg Ala Trp Gly Asp Glu Gly Arg Gly
35 40

<210> 3425
<211> 756
<212> PRT
<213> Homo sapiens

<400> 3425
Ala Arg Val His Cys Leu Lys Lys Ala Val Arg Leu Asp Ser Asn Asn
1 5 10 15

His Leu Tyr Trp Asn Ala Leu Gly Val Val Ala Cys Tyr Ser Gly Ile
20 25 30

Gly Asn Tyr Ala Leu Ala Gln His Cys Phe Ile Lys Ser Ile Gln Ser
35 40 45

Glu Gln Ile Asn Ala Val Ala Trp Thr Asn Leu Gly Val Leu Tyr Leu
50 55 60

Thr Asn Glu Asn Ile Glu Gln Ala His Glu Ala Phe Lys Met Ala Gln
65 70 75 80

Ser Leu Asp Pro Ser Tyr Leu Met Cys Trp Ile Gly Gln Ala Leu Ile
85 90 95

Ala Glu Ala Val Gly Ser Tyr Asp Thr Met Asp Leu Phe Arg His Thr
100 105 110

Thr Glu Leu Asn Met His Thr Glu Gly Ala Leu Gly Tyr Ala Tyr Trp
115 120 125

Val Cys Thr Thr Leu Gln Asp Lys Ser Asn Arg Glu Thr Glu Leu Tyr
130 135 140

Gln Tyr Asn Ile Leu Gln Met Asn Ala Ile Pro Ala Ala Gln Val Ile
145 150 155 160

Leu Asn Lys Tyr Val Glu Arg Ile Gln Asn Tyr Ala Pro Ala Phe Thr
165 170 175

Met Leu Gly Tyr Leu Asn Glu His Leu Gln Leu Lys Lys Glu Ala Ala
180 185 190

Asn Ala Tyr Gln Arg Ala Ile Leu Leu Gln Thr Ala Glu Asp Gln
195 200 205

Asp Thr Tyr Asn Val Ala Ile Arg Asn Tyr Gly Arg Leu Leu Cys Ser
210 215 220

Thr Gly Glu Tyr Asp Lys Ala Ile Gln Ala Phe Lys Ser Thr Pro Leu
225 230 235 240

Glu Val Leu Glu Asp Ile Ile Gly Phe Ala Leu Ala Leu Phe Met Lys
245 250 255

Gly Leu Tyr Lys Glu Ser Ser Lys Ala Tyr Glu Arg Ala Leu Ser Ile
260 265 270

Val Glu Ser Glu Gln Asp Lys Ala His Ile Leu Thr Ala Leu Ala Ile
275 280 285

Thr Glu Tyr Lys Gln Gly Lys Thr Asp Val Ala Lys Thr Leu Leu Phe
290 295 300

Lys Cys Ser Ile Leu Lys Glu Pro Thr Thr Glu Ser Leu Gln Ala Leu
305 310 315 320

Cys Ala Leu Gly Leu Ala Met Gln Asp Ala Thr Leu Ser Lys Ala Ala
325 330 335

Leu Asn Glu Leu Leu Lys His Ile Lys His Lys Asp Ser Asn Tyr Gln
340 345 350

Arg Cys Leu Leu Thr Ser Ala Ile Tyr Ala Leu Gln Gly Arg Ser Val
355 360 365

Ala Val Gln Lys Gln Ile Ser Lys Ala Val His Ser Asn Pro Gly Asp
370 375 380

Pro Ala Leu Trp Ser Leu Leu Ser Arg Val Val Ala Gln Tyr Ala Gln
385 390 395 400

Arg Asn Ala Lys Gly Gly Val Val Ala Gly Asn Val Ala His Ile Leu
405 410 415

Asp Ser Asn His Gly Lys Lys Ala Leu Leu Tyr Thr Ala Val Asn Gln
420 425 430

Leu Ala Met Gly Ser Ser Ala Glu Asp Glu Lys Asn Thr Ala Leu
435 440 445

Lys Thr Ile Gln Lys Ala Ala Leu Leu Ser Pro Gly Asp Pro Ala Ile
450 455 460

Trp Ala Gly Leu Met Ala Ala Cys His Ala Asp Asp Lys Leu Ala Leu
465 470 475 480

Met Asn Asn Thr Gln Pro Lys Arg Ile Asp Leu Tyr Leu Ala Leu Leu
485 490 495

Ser Ala Val Ser Ala Ser Ile Lys Asp Glu Lys Phe Phe Glu Asn Tyr
500 505 510

Asn Gln Ser Leu Glu Lys Trp Ser Leu Ser Gln Ala Val Thr Gly Leu
515 520 525

Ile Asp Thr Gly Arg Ile Ser Glu Ala Glu Thr Leu Cys Thr Lys Asn
530 535 540

Leu Lys Ser Asn Pro Asp Gln Pro Ala Val Ile Leu Leu Leu Arg Gln
545 550 555 560

Val Gln Cys Lys Pro Leu Pro Glu Ser Gln Lys Pro Leu Pro Asp Ala

565	570	575
Val Leu Glu Glu Leu Gln Lys Thr Val Met Ser Asn Ser Thr Ser Val		
580	585	590
Pro Ala Trp Gln Trp Leu Ala His Val Tyr Gln Ser Gln Gly Met Met		
595	600	605
Arg Ala Ala Glu Met Cys Tyr Arg Lys Ser Leu Gln Leu Ala Ser Gln		
610	615	620
Arg Gly Ser Trp Ser Gly Lys Leu Ser Ser Leu Leu Arg Leu Ala Leu		
625	630	635
Leu Ala Leu Lys Val Cys Met Ala Asn Ile Ser Asn Asp His Trp Pro		
645	650	655
Ser Leu Val Gln Glu Ala Thr Thr Glu Ala Leu Lys Leu Cys Phe Cys		
660	665	670
Pro Leu Ala Val Leu Leu Gln Ala Leu Leu Gln Phe Lys Arg Lys Met		
675	680	685
Gly Ala Arg Glu Thr Arg Arg Leu Leu Glu Arg Val Val Tyr Gln Pro		
690	695	700
Gly Tyr Pro Lys Ser Ile Ala Ser Thr Ala Arg Trp Tyr Leu Leu Arg		
705	710	715
His Leu Tyr Ala Lys Asp Asp Tyr Glu Leu Ile Asp Val Leu Val Asn		
725	730	735
Asn Ala Lys Thr His Gly Asp Thr Arg Ala Leu Glu Leu Asn Gln Arg		
740	745	750
Leu Ser Ser Gln		
755		

<210> 3426
<211> 81
<212> PRT
<213> Homo sapiens

<400> 3426		
Met Ala Ala Arg Val Gly Ala Phe Leu Lys Asn Ala Trp Asp Lys Glu		
1	5	10
15		
Pro Val Leu Val Val Ser Phe Val Val Gly Gly Leu Ala Val Ile Leu		
20	25	30
Pro Pro Leu Ser Pro Tyr Phe Lys Tyr Ser Val Met Ile Asn Lys Ala		
35	40	45
Thr Pro Tyr Asn Tyr Pro Ala Ala Gly Glu Lys Gly His Arg Ile Glu		
50	55	60
Leu Ser Ser His Ser Thr Gln Arg Gln Ser Cys Pro Gly Ala Arg Arg		
65	70	75
80		

Ser

<210> 3427
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3427
Met Arg Leu Gln Ser Cys Ser Ser Gln Thr Ala Ala Leu Leu Leu Ser
1 5 10 15
Phe Tyr Leu Pro Glu Ser Cys Ala Ser Gln Ser Pro Gly
20 25

<210> 3428
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3428
Met Cys Thr Leu Leu Ile Phe Phe Leu Ile Leu Pro His Trp Trp Leu
1 5 10 15
Gly Thr Trp Glu Arg Glu Gln Ala Phe Leu His Gly Pro Ser Leu Gly
20 25 30
Cys Gly Glu Gln Arg Pro Met
35

<210> 3429
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3429
Met Cys Thr Leu Leu Ile Phe Phe Leu Ile Leu Pro His Trp Trp Leu
1 5 10 15
Gly Thr Trp Glu Arg Glu Gln Ala Phe Leu His Gly Pro Ser Leu Gly
20 25 30
Cys Gly Glu Gln Arg Pro Met
35

<210> 3430
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3430
Met Cys Thr Leu Leu Ile Phe Phe Leu Ile Leu Pro His Trp Trp Leu
1 5 10 15

Gly Thr Trp Glu Arg Glu Gln Ala Phe Leu His Gly Pro Ser Leu Gly
20 25 30

Cys Gly Glu Gln Arg Pro Met
35

<210> 3431
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3431
Met His Ile Leu Asn Val Cys Leu Tyr Phe Phe Ile Leu Asn Ile Ile
1 5 10 15

Phe Val Pro Leu Cys Phe Thr Ser Asn Ile Tyr Leu Tyr Lys Cys Val
20 25 30

<210> 3432
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3432
Met Cys Cys Cys Met Arg Leu His Cys Cys
1 5 10

<210> 3433
<211> 92
<212> PRT
<213> Homo sapiens

<400> 3433
Met Arg Arg Arg Met Arg Met Leu Ala Leu Trp Gln Gln Leu Leu His
1 5 10 15

Pro Ser Gly Asp Pro Glu Gln Thr Gln Ser Trp Ser Val Trp Lys Val
20 25 30

Pro Ser Ser Gly Gly Ser Cys Arg Cys Arg Ser Ser Gly Thr Gln Ser
35 40 45

Ser Ile Gly Thr Arg Cys Ser Ala Arg Trp Ala Gly Val Val Gly Ser
50 55 60

Arg Pro Gln His His Gly Cys Gln Leu Pro Gly Trp Thr Lys Gln Gly
65 70 75 80

Ala Thr Ser Pro Phe Pro Arg Phe Gln Ser Ser Leu
85 90

<210> 3434
<211> 103
<212> PRT
<213> Homo sapiens

<400> 3434
Met Leu Gln Asn Ser Val Tyr Val Asn Phe Leu Leu Thr Gly Leu Val
1 5 10 15
Ala Gln Leu Ala Cys His Pro Gln Pro Leu Leu Arg Ser Phe Leu Leu
20 25 30
Asn Thr Asn Met Val Phe Gln Pro Ser Val Lys Ser Leu Leu Gln Val
35 40 45
Leu Gly Ser Val Lys Asn Lys Ile Glu Asn Phe Ala Ala Ser Gln Glu
50 55 60
Asp Phe Pro Ala Leu Leu Ser Lys Ala Lys Lys Tyr Leu Ile Ala Arg
65 70 75 80
Gly Lys Leu Asp Trp Ala Glu Gly Pro Ala Ala Gly Pro Ala Pro Arg
85 90 95
Arg Ser Asp Pro Leu Glu Pro
100

<210> 3435
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3435
Met Lys Ala Val Gly Phe Val Phe Leu Phe Thr Thr Ile Leu Ser His
1 5 10 15
Ile Leu Leu Trp Ala Phe Val Val Tyr Phe Lys Lys Thr Val
20 25 30

<210> 3436
<211> 93
<212> PRT
<213> Homo sapiens

<400> 3436
Met Leu Leu Ile Val Val Ser Val Cys Thr Ala Thr Gly Ala Trp Asn
1 5 10 15
Trp Leu Ile Asp Pro Glu Thr Gln Lys Val Ser Phe Phe Thr Ser Leu
20 25 30
Trp Asn His Pro Phe Phe Thr Ile Ser Cys Ile Thr Leu Ile Gly Leu
35 40 45
Phe Phe Ala Gly Ile His Lys Arg Val Val Ala Pro Ser Ile Ile Ala

50

55

60

Ala Arg Cys Arg Thr Val Leu Ala Glu Tyr Asn Met Ser Cys Asp Asp
65 70 75 80

Thr Gly Lys Leu Ile Leu Lys Pro Arg Pro His Val Gln
85 90

<210> 3437
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3437
Met Leu Phe Arg Phe Val Phe Ile Tyr Leu Phe Gly Pro Ala Lys Leu
1 5 10 15

Pro Ser Leu Gln Arg Pro Trp Thr Arg Ile Gln Pro Val Pro Leu Cys
20 25 30

Pro Thr Thr Leu His Ser Gln Arg Leu Ala Met Gln Pro Thr
35 40 45

<210> 3438
<211> 161
<212> PRT
<213> Homo sapiens

<400> 3438
Met Trp Pro Gly Arg Ile Met Thr Val Thr Val Val Leu Leu Cys Cys
1 5 10 15

Ser Thr Ala Ser Ile Trp Pro Cys Leu Ser His Ser Ala Ser Pro Ser
20 25 30

Arg Thr Cys Pro Asn Phe Val Gly Arg Ser Thr Arg Ser Cys Val Thr
35 40 45

Ala Asn Ser Leu Cys Glu Pro Arg Thr Pro Asp Pro Lys Pro Ile Asn
50 55 60

Gly Lys Gly Asp Met Gly Val Pro Ser Gln Glu Thr Pro Val Pro Phe
65 70 75 80

Leu Ser Cys Leu Phe Pro Leu Thr Ser Leu Trp Phe Phe Ile Phe Lys
85 90 95

Cys Phe Asn Phe Cys Ile Phe Phe Ser Leu Arg Glu Tyr Leu Leu Ile
100 105 110

Ser Asp Val Gln Gly Val Ala Thr Glu Lys Pro Leu Ser Ser Ser Val
115 120 125

Cys Arg Gly Val Trp Pro Cys Gly Leu Gly Gly Ala Val Ile Leu Pro
130 135 140

Leu Pro Arg Ala Gly Ser Arg Lys Ser Val Leu Gly Val Val Gly Gly

145

150

155

160

Gln

<210> 3439

<211> 11

<212> PRT

<213> Homo sapiens

<400> 3439

Met Ser Pro Gly Gly Ile Cys Asn Cys Ile Ile
1 5 10

<210> 3440

<211> 57

<212> PRT

<213> Homo sapiens

<400> 3440

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Val Leu Val
1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln
20 25 30

Ile Leu Val Asn Ala Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp
35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe
50 55

<210> 3441

<211> 68

<212> PRT

<213> Homo sapiens

<400> 3441

Ile Cys Leu Arg Leu Cys Leu Cys Ala Arg His Arg Leu Gly Ala Gly
1 5 10 15

Ala Leu Arg Leu Arg Arg Leu Trp Arg Gly Ser Glu Thr Arg Gly Pro
20 25 30

Ala Gly Gly Ser Leu Cys Val Ser Arg His Cys Ser Pro Ser His Pro
35 40 45

Gly Gly Ser Leu Glu Trp Val Leu Gln Leu Pro Ser Trp Val Arg Ser
50 55 60

Glu Ala Gly Arg
65

<210> 3442
<211> 3
<212> PRT
<213> Homo sapiens

<400> 3442
Ala Cys Val
1

<210> 3443
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3443
Met Asn Val Ile Ile Val Leu Val His Ala Leu Cys Pro Trp Cys Arg
1 5 10 15
Gly Cys Pro His Trp Gly Pro Leu Val Pro Pro
20 25

<210> 3444
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3444
Met Gln Val Gln Thr Thr Val Leu Leu Leu Gln Ala Asp Phe Phe Arg
1 5 10 15
Val Arg Ala Pro Cys Gly Glu Leu Arg Ala Ala Ser Ile Arg Ala Lys
20 25 30
Pro Trp

<210> 3445
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3445
Met Ala Gln Ile Thr Trp Ile His Leu Leu Ser Val Val Ile Cys Ser
1 5 10 15
Ala Pro Pro Arg Arg Leu His Arg Gln His Ser Ala Val Gln Ala Trp
20 25 30
Ala Ala His Arg Glu His Val Gln Pro Ser Leu Thr Ser Ser Gly Arg
35 40 45
Met Pro
50

<210> 3446
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3446
Met Arg Ser Pro Pro His Phe Ile Phe Phe Leu Lys Cys Pro Gly
1 5 10 15
Leu Gly Trp Gly Gly Gln Pro Pro Gly Val
20 25

<210> 3447
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3447
Met Gly Val Arg Ile Cys Gly Val Gln Ala Ser Cys Thr Cys Val His
1 5 10 15
Leu Cys Gly Val Trp Val Tyr Leu Asp Cys Gly Leu Arg Leu Pro Tyr
20 25 30
Arg Thr Leu Leu Pro Pro Pro Gln Gly Ile Thr Gly Pro Cys Ser
35 40 45
Ser Cys
50

<210> 3448
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3448
Met Asn Ile Pro Ile Tyr Val Ile Gly Tyr Leu Phe Leu Ser Ser Leu
1 5 10 15
Glu Leu Cys Thr Gln Thr Lys Thr Ile Ser Gly
20 25

<210> 3449
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3449
Gly Phe Leu Phe His Leu Leu His Phe Phe Tyr Phe
1 5 10

<210> 3450

<211> 43
<212> PRT
<213> Homo sapiens

<400> 3450
Met Glu Ala Phe Leu His Leu Trp Pro Asp Gly Ser Leu Gly Asp Trp
1 5 10 15

Lys Ser Phe Ser Cys His Cys Tyr Trp Gly Trp Ala Gly Pro Thr Cys
20 25 30

Gln Glu Pro Arg Pro Gly Pro Lys Glu Ala Val
35 40

<210> 3451
<211> 101
<212> PRT
<213> Homo sapiens

<400> 3451
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His
50 55 60

Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile Leu Ser
65 70 75 80

Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys Lys Lys
85 90 95

Lys Lys Lys Lys Lys
100

<210> 3452
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3452
Met Asn Thr Pro Gly Leu Ser Leu Phe Leu Leu Arg Ile Ser Leu Leu
1 5 10 15

Leu Met Cys Gly Cys
20

<210> 3453
<211> 27

<212> PRT
<213> Homo sapiens

<400> 3453
Met Thr Ile Ala Ile Val Ile Leu Ile Phe Pro Thr Val Lys Asn
1 5 10 15

Leu Ala Leu Ser Ser Glu Ile Val Met Ala Leu
20 25

<210> 3454
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3454
Met Phe Ser Arg Leu Tyr Lys Gln Arg Leu Leu Leu Leu Trp Tyr
1 5 10 15

Ser His Phe Gly Gly Gly Ser Arg Leu Glu Arg Ile Ser Phe Ala
20 25 30

Leu Lys Ser Arg Met
35

<210> 3455
<211> 47
<212> PRT
<213> Homo sapiens

<400> 3455
Met Met Val Pro Gly Gly Pro Ala Pro Leu Leu Cys Phe Leu Phe
1 5 10 15

Leu Leu Phe Trp Tyr Leu Gly Glu Leu Ile Thr Lys Ser Leu Leu Arg
20 25 30

Val Met Glu Ser Tyr Pro Ser Ile Pro Gln Ala Val Phe Gln Arg
35 40 45

<210> 3456
<211> 47
<212> PRT
<213> Homo sapiens

<400> 3456
Met Phe Lys Asp Ala Gly Leu Phe Leu Leu Trp Gly Pro Phe Pro Gly
1 5 10 15

Val Pro Val Ser Pro Ser Pro Gly Gly Ser Ala Pro Thr Arg Val Gly
20 25 30

Gly Ile Ser Ser Gln Arg Leu Ala Arg Pro His Leu Gly Glu Ala
35 40 45

<210> 3457
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3457
Met Thr Val Val Leu Leu Leu His Gly Ile Thr Val Tyr Tyr Val
1 5 10 15

Val Gly Lys Tyr Ser Leu Leu Asn Pro Thr
20 25

<210> 3458
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3458
Met Thr Val Val Leu Leu Leu His Gly Ile Thr Val Tyr Tyr Val
1 5 10 15

Val Gly Lys Tyr Ser Leu Leu Asn Pro Thr
20 25

<210> 3459
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3459
Met Thr Val Val Leu Leu Leu His Gly Ile Thr Val Tyr Tyr Val
1 5 10 15

Val Gly Lys Tyr Ser Leu Leu Asn Pro Thr
20 25

<210> 3460
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3460
Met Thr Val Val Leu Leu Leu His Gly Ile Thr Val Tyr Tyr Val
1 5 10 15

Val Gly Lys Tyr Ser Leu Leu Asn Pro Thr
20 25

<210> 3461
<211> 37
<212> PRT

<213> Homo sapiens

<400> 3461

Met Gly Met Leu Phe Leu Leu Cys Ile His Arg Ser Leu Val Lys
1 5 10 15

Ala Asn Leu Pro Thr Gln Ile Ser Lys Val Val Ala Ile Lys Thr Asp
20 25 30

Thr Ser Gln Arg Lys
35

<210> 3462

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3462

Met Ala Val Phe Leu Tyr Phe Asp Phe Cys Ile Ser Ile Leu Ile Phe
1 5 10 15

Leu Val Met

<210> 3463

<211> 90

<212> PRT

<213> Homo sapiens

<400> 3463

Pro Leu Leu Leu Ala Leu Leu Ser Leu Ala Leu Cys Arg Gly Arg Val
1 5 10 15

Val Arg Val Pro Thr Ala Thr Leu Val Arg Val Val Gly Thr Glu Leu
20 25 30

Val Ile Pro Cys Asn Val Ser Asp Tyr Asp Gly Pro Ser Glu Gln Asn
35 40 45

Phe Asp Trp Ser Phe Ser Ser Leu Gly Ser Ser Phe Val Glu Leu Ala
50 55 60

Ser Thr Trp Glu Val Gly Phe Pro Ala Gln His Trp Pro Phe Gly Ser
65 70 75 80

Ile Pro Val Gly Phe Ser Glu Ala Arg Trp
85 90

<210> 3464

<211> 40

<212> PRT

<213> Homo sapiens

<400> 3464

Met Gly Gln Val Val Arg Thr Ala Tyr Gln Glu His Val Val Phe Ser

1

5

10

15

Leu Phe Phe Lys Ile Ile Ile Leu Ser Cys Val Phe Ser Thr Ile Leu
20 25 30

Val Lys Ile Ala Lys Gln Phe Val
35 40

<210> 3465

<211> 35

<212> PRT

<213> Homo sapiens

<400> 3465

Met Gly Thr Ile Arg Leu Leu Gln Ile Gly Leu Ser Leu Pro Phe Phe
1 5 10 15

Thr Phe Leu Leu Ala Asn Gln Ser Gly Phe Arg Lys Pro Phe Val Ile
20 25 30

Cys Glu Lys
35

<210> 3466

<211> 32

<212> PRT

<213> Homo sapiens

<400> 3466

Met Glu Leu Met Asn Val Arg Thr Arg Leu Trp Arg Val Leu Ser Val
1 5 10 15

Arg Phe Leu Gly Phe Ile His Val Val Val Tyr Asp Leu Leu Pro Cys
20 25 30

<210> 3467

<211> 34

<212> PRT

<213> Homo sapiens

<400> 3467

Met Phe Thr Phe Ile Ser Met Phe Thr Phe Leu Val Thr Leu Thr Cys
1 5 10 15

Trp Leu Asn Thr Ser Asn Ser Pro Val Glu Gly Ser Pro Pro Gly Arg
20 25 30

Lys Gly

<210> 3468
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3468
Met Asn Lys Thr Phe His Pro Leu Lys His Phe Pro Val Leu Arg Phe
1 5 10 15
Leu Phe Val Phe Val Ser Ser Pro Cys Tyr Pro Phe Cys Pro Phe
20 25 30
Ser Leu Thr Met Val Ile Trp Ser Leu Gly Ser Tyr Gln Ser Pro Arg
35 40 45
Asp Ile Leu Gln Ser Leu Ser Pro Phe Trp Val Asp Phe Ile Leu Phe
50 55 60
Tyr Phe Val Phe Phe Lys Lys Ile Thr Phe
65 70

<210> 3469
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3469
Gly Thr Arg Ile Trp Gly Val Val Cys Leu Phe Leu Glu His Arg Val
1 5 10 15
Ala Trp Pro Cys Trp Asn Asp Lys
20

<210> 3470
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3470
Met Lys Ile Lys Asn Val Ala Ala Val Ile Cys Leu Val Ile Pro Leu
1 5 10 15
Leu Leu Phe Phe Ser Leu Lys Gln Lys Arg Gly Leu Gly Ile Phe
20 25 30
Ile Leu Met Gln Lys Phe
35

<210> 3471
<211> 59
<212> PRT
<213> Homo sapiens

<400> 3471
Met Leu Trp Ser Leu Ala Ser Tyr Ile Val Asn Leu Ala Val Lys Val

1 5 10 15
Leu Cys Leu Cys Lys Gly Arg Phe Val Leu Val Gln Asn Cys Pro Cys
20 25 30
Leu Ser Lys Gln Val Cys Leu Ile Leu Ser Ser Ile Ser Gly Gly Tyr
35 40 45
Cys Trp His Lys Leu Lys Val His Pro Leu Thr
50 55

<210> 3472
<211> 65
<212> PRT
<213> Homo sapiens

<400> 3472
Met Ile Gly Leu Ile Cys Leu Gly Met Gly Ser Ala Ala Leu Tyr Leu
1 5 10 15
Leu Arg Leu Ala Leu Arg Ser Pro Asp Val Cys Trp Asp Arg Lys Asn
20 25 30
Asn Pro Glu Pro Trp Asn Arg Leu Ser Pro Asn Asp Gln Tyr Lys Phe
35 40 45
Leu Ala Val Ser Thr Asp Tyr Lys Lys Leu Lys Lys Asp Arg Pro Asp
50 55 60
Phe
65

<210> 3473
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3473
Met Cys Trp Ser Ser Ser Val Leu Phe Phe Phe His Trp Pro Val Cys
1 5 10 15
Leu Ser Phe Val Tyr Tyr His Gln Ala Ile Thr Leu Asp Ser Trp
20 25 30

<210> 3474
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3474
Met His Ile Cys Thr Phe Tyr Leu Ile Ile Leu Phe Trp Glu Ile Val
1 5 10 15
Ile Cys Cys Phe Val Cys Leu Leu Arg Glu Ala Arg Arg Arg Ile Tyr
20 25 30

Lys Cys Glu
35

<210> 3475
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3475
Met Ser Gln Thr Trp Pro His Pro Phe Ile Cys Tyr Cys Leu Ser Trp
1 5 10 15

Phe Cys Thr Thr Ala Glu Leu Asn Arg Cys Ser Arg Ser Phe Thr
20 25 30

Glu Lys Val Phe
35

<210> 3476
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3476
Met Leu Lys Cys Gly Phe Met Lys Tyr Val Val Phe Leu Ser Val Leu
1 5 10 15

Val Ser Phe Leu Glu Met Cys Lys Ser Glu Lys His Thr Asn His Lys
20 25 30

Ser Gly Ile His His Lys Pro Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45

Lys
50 55 60

Lys Lys
65

<210> 3477
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3477
Met Asp Phe Thr Val Glu Gly Ser Ser Ile His Leu Trp Leu Leu Phe
1 5 10 15

Asn Leu Val Leu Leu Asp Phe Val
20

<210> 3478

<211> 37
<212> PRT
<213> Homo sapiens

<400> 3478
Met Ala Gln Trp His Ser Gly Ser Ser Phe Leu Phe Phe Ile Leu Gly
1 5 10 15

Trp Asn Leu Lys Val Val Cys Ser Ser Gly Phe Gly Leu Ile Phe Glu
20 25 30

Ala Thr Leu Pro Ser
35

<210> 3479
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3479
Met Leu Phe Phe Asn Leu Phe Cys Tyr Leu Gly Ser Val Leu Ile Ser
1 5 10 15

Gly Gln Ile Phe Thr Val Leu Ser Gln Asn Ile Thr Lys Arg Arg Val
20 25 30

Thr Thr Thr
35

<210> 3480
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3480
Phe Phe Phe Phe Ser Ala Phe Gln His Leu Phe His Gly Met Ser Ala
1 5 10 15

Gln His Phe His Glu Leu Pro Gln Gly Tyr Ile Ser Thr Lys
20 25 30

<210> 3481
<211> 111
<212> PRT
<213> Homo sapiens

<400> 3481
Trp Leu Leu Phe Arg Ser Leu Gln Arg Ala Pro Ser Trp Ser Phe Pro
1 5 10 15

Ser Asn Leu Gly Thr Lys Thr Ala Asp Leu Lys Gly Ala Ser Glu Leu
20 25 30

Pro Thr Pro Cys His Glu Cys Arg Glu Asp Asn Asp Gly Glu Gly His
35 40 45

Ala Arg Pro Gln Ser Gly Met Lys Pro Leu Thr Glu Gly Met Arg Lys
50 55 60

Asn Gly Thr Trp Leu Gln Ala Thr Ala Ala Thr Thr Arg Asp Cys Gly
65 70 75 80

Val Asn Pro Glu Glu Ala Asp Ser Ala Phe Ser Leu Leu Ala Thr Cys
85 90 95

Ser Phe Tyr Asp His Ala Leu His Leu Trp Glu Trp Glu Gly Asn
100 105 110

<210> 3482
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3482
Lys Phe Gln Thr Ala Val Ile Ile Phe Tyr Phe Cys His Phe Ser Ser
1 5 10 15

Ser Asn Arg Gly Pro Met Gln Gln Glu His Lys Cys Glu Ile Met Gly
20 25 30

<210> 3483
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3483
Asn Ser Ile Leu His Leu Pro Phe Trp Ile Glu Leu Leu Lys Ala Arg
1 5 10 15

Thr Val Leu Leu Thr Leu Ser Ser Trp Cys Leu Ala Pro Arg Cys
20 25 30

Ser Arg Asn Ile Cys Met Ile Glu Leu Lys Leu Lys Val Ala Val Asn
35 40 45

Leu Phe Glu Asp Tyr Ser Gly Asn Ser Val Tyr Gln Arg Ile Lys Ser
50 55 60

Leu Lys Ser Glu Ser Thr Asn Ser Arg Arg Ser Trp Gly Met Val Pro
65 70 75 80

Ser Lys Asn Arg Lys Asp Gln Lys Ser Gln Glu Leu Thr Ala Tyr Gly
85 90 95

Gly Gly Gly Asn Asn Gly Leu Arg Arg Val Asp Pro Gln Gly Leu Xaa
100 105 110

Asn

<210> 3484
<211> 172
<212> PRT
<213> Homo sapiens

<400> 3484
Pro Val Cys Gly Gly Phe Gly Val Leu Trp Ala Trp Leu Cys Thr Gly
1 5 10 15
Arg Trp Thr Leu Leu Trp Ser Ser Ser Phe Pro Tyr Pro Gly Ser Asp
20 25 30
Val Gly Arg Leu Gly Gly Pro Val Ser Ser Pro Pro Phe Ala Leu Ser
35 40 45
Cys Pro Phe Pro Leu Ser Pro Gly Arg Cys Leu Ala Arg Leu Arg Pro
50 55 60
Pro Ser Arg Gln Pro Gly Cys Glu Leu Ser Leu Ser Leu Phe Pro Leu
65 70 75 80
Val Gly Lys Trp Pro Phe Pro Gln His Leu Leu Pro Gly Pro Arg Gly
85 90 95
Thr His Leu Phe Trp Ser Ser Ala Trp Pro Ser Val Ser Leu Gly Lys
100 105 110
Gly Lys Glu Gly Trp Thr Ala Leu Ile Arg Ala Gly Ser Val Cys Ser
115 120 125
Ser Gly Gln Pro Glu Cys Gln Arg Cys Thr Gly Met Trp Cys Val Ala
130 135 140
Pro Gly Pro Arg His Leu Cys Phe Gly Gly Phe Leu Pro Cys Leu His
145 150 155 160
Thr Cys Gln Gly Arg Gly Asp Ser Lys Val Gly Gly
165 170

<210> 3485
<211> 172
<212> PRT
<213> Homo sapiens

<400> 3485
Pro Val Cys Gly Gly Phe Gly Val Leu Trp Ala Trp Leu Cys Thr Gly
1 5 10 15
Arg Trp Thr Leu Leu Trp Ser Ser Ser Phe Pro Tyr Pro Gly Ser Asp
20 25 30

Val Gly Arg Leu Gly Gly Pro Val Ser Ser Pro Pro Phe Ala Leu Ser
35 40 45

Cys Pro Phe Pro Leu Ser Pro Gly Arg Cys Leu Ala Arg Leu Arg Pro
50 55 60

Pro Ser Arg Gln Pro Gly Cys Glu Leu Ser Leu Ser Leu Phe Pro Leu
65 70 75 80

Val Gly Lys Trp Pro Phe Pro Gln His Leu Leu Pro Gly Pro Arg Gly
85 90 95

Thr His Leu Phe Trp Ser Ser Ala Trp Pro Ser Val Ser Leu Gly Lys
100 105 110

Gly Lys Glu Gly Trp Thr Ala Leu Ile Arg Ala Gly Ser Val Cys Ser
115 120 125

Ser Gly Gln Pro Glu Cys Gln Arg Cys Thr Gly Met Trp Cys Val Ala
130 135 140

Pro Gly Pro Arg His Leu Cys Phe Gly Gly Phe Leu Pro Cys Leu His
145 150 155 160

Thr Cys Gln Gly Arg Gly Asp Ser Lys Val Gly Gly
165 170

<210> 3486
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3486
Met Gln Gly Ala Gly Lys Ala Leu His Glu Leu Leu Ser Ala Gln
1 5 10 15

Xaa Gln Gly Cys Leu Thr Ala Gly Val Tyr Glu Ser Ala Lys Val Leu
20 25 30

Asn Val

<210> 3487
<211> 68
<212> PRT
<213> Homo sapiens

<400> 3487
Met Ala Arg Pro Ala Glu Lys Leu Ser Thr Ala Gln Ser Ala Val Leu
1 5 10 15

Met Ala Thr Gly Phe Ile Trp Ser Arg Tyr Ser Leu Val Ile Ile Pro

20

25

30

Lys Asn Trp Ser Leu Phe Ala Val Asn Phe Phe Val Gly Ala Ala Gly
35 40 45

Ala Ser Gln Leu Phe Arg Ile Trp Arg Tyr Asn Gln Glu Leu Lys Ala
50 55 60

Lys Ala His Lys
65

<210> 3488
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3488
Lys Ser Phe Cys Leu Asp Leu Phe Ser Cys Ser Ile Phe Cys Lys Met
1 5 10 15

Tyr Tyr Ile Val Ser Leu Leu
20

<210> 3489
<211> 65
<212> PRT
<213> Homo sapiens

<400> 3489
Met Met Phe Ile Thr Leu Pro Leu Pro Leu Gln Ser Tyr Pro Ala Leu
1 5 10 15

Leu Ile Leu Pro Gln Gln Thr Asp Ala Pro Gly Asn Asn Val Gly Val
20 25 30

Ser Thr Lys Lys Phe Arg Arg Arg Lys Tyr Ile His Val Ile Gln Asn
35 40 45

Cys Tyr Leu Tyr His Lys Ile Val Lys Ser Leu Cys Ser Asp Phe Leu
50 55 60

Leu
65

<210> 3490
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3490
Met Asp Pro Arg Pro Leu Gln Ala Pro Ile Ala Ile Gly Ser Leu Lys
1 5 10 15

Leu Ser Gly

<210> 3491
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3491
Met Phe Ser Phe Ile Ser Val Leu Phe Cys Leu Phe Leu Leu Val Ser
1 5 10 15
Leu Arg Thr Ile His Leu Leu Phe Leu His Trp Leu His Leu Ser Cys
20 25 30

Asp Ile

<210> 3492
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3492
Met Phe Ser Phe Ile Ser Val Leu Phe Cys Leu Phe Leu Leu Val Ser
1 5 10 15
Phe Glu Asn Asn Thr Pro Ser Ile Pro Ser Phe Gly Tyr Thr Phe Pro
20 25 30

Cys Asp Ile
35

<210> 3493
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3493
Met Phe Ser Phe Ile Ser Val Leu Phe Cys Leu Phe Leu Leu Val Ser
1 5 10 15
Phe Glu Asn Asn Thr Pro Ser Ile Pro Ser Phe Gly Tyr Thr Phe Pro
20 25 30

Cys Asp Ile
35

<210> 3494
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3494
Met Ala His Trp His Val Phe Tyr Val Phe Ser Cys His Ser

1

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10

<210> 3495
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3495
Met Trp Thr Ser Ser Ser Arg Gly Trp Gly Ser Phe Leu Asn Val Cys
1 5 10 15
Ser Leu Leu Pro Ala Trp Pro Ser Met Gln Thr Leu Trp Leu Thr Ser
20 25 30

<210> 3496
<211> 47
<212> PRT
<213> Homo sapiens

<400> 3496
Gly Leu Ser Arg Pro Thr Ser Ser Pro Trp Pro Pro Gly Ala Met
1 5 10 15
Leu Leu Pro Leu Gly Ser Leu Cys Gly Pro Ser Ser Cys Leu Pro Val
20 25 30
Ala Ser Val Asp Gln Ala Arg Ala Ser Gly Gln Pro Phe Gln Ala
35 40 45

<210> 3497
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3497
Met Gly Ala Asn Ile Leu Leu Ser Ile Ala Thr Ile Thr Ile Gly Trp
1 5 10 15
Leu Trp Ile

<210> 3498
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3498
Met Lys Phe Thr Leu Met Leu Val Met Ser Leu Glu Leu Ser Leu Arg
1 5 10 15

Lys Val Leu Ser Ser Val Tyr Pro Leu Gly Lys Tyr Asn His Glu
20 25 30

<210> 3499
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3499
Met Asp Leu Ser Ser Pro Thr Ile Leu Ile Ile Phe Ser Gly Cys Val
1 5 10 15
Ser Ala Phe Leu Cys His Ile Lys His Cys Ile Arg Asn Gln Lys
20 25 30

<210> 3500
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3500
Met Ile Met Met Arg Arg Arg Lys Ile Leu Ile Phe Leu Lys Ile Leu
1 5 10 15
Ile Leu Met Lys Met Lys Gly Asp Cys Leu Glu Val Lys Asn Leu Ser
20 25 30
Gln Val Lys Val Pro Glu Ile
35

<210> 3501
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3501
Met Ser Cys Ser Phe Leu Glu Phe Ser Ile
1 5 10

<210> 3502
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3502
Thr Ile Leu Phe Ser Leu Leu Leu Gly Phe Ser Ile Thr Lys Lys Gln
1 5 10 15
Ile

<210> 3503
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3503
Thr Ile Leu Phe Ser Leu Leu Leu Gly Phe Ser Ile Thr Lys Lys Gln
1 5 10 15

Ile

<210> 3504
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3504
Met Ala Phe Cys Phe Cys Phe Phe Leu His Pro Ser Glu Thr Ala Pro
1 5 10 15
Leu Cys Gly Arg Gln Gly Met Gly Phe Ser Pro Gly His
20 25

<210> 3505
<211> 41
<212> PRT
<213> Homo sapiens

<400> 3505
Met Ala Leu Thr Ser Val Leu Leu Phe Ile Leu Leu Phe Phe Gly Val
1 5 10 15
Ile Leu Met Cys Leu Leu Arg Ala Phe Tyr Leu Pro Asp Phe Ser Trp
20 25 30
Leu Thr Phe Gly Leu Tyr Phe Ala Pro
35 40

<210> 3506
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3506
Met Gln Ser Leu Phe Tyr Ser Leu Leu Leu Ile Arg Val Ser Gly
1 5 10 15

<210> 3507
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3507
Met Ala Pro Pro Gly Leu Ala Val Phe Leu Leu Trp Val Leu Met Pro
1 5 10 15

Pro Gly Pro Thr Ala Ser Ser Gln Pro Arg Ala Ala Pro Pro Val
20 25 30

Ser Phe Ser
35

<210> 3508
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3508
Met Leu Thr Ser Gly Phe Ile Phe Gln Lys Ile Trp Leu Leu Cys Gly
1 5 10 15

Glu Trp Thr Met Leu Gly Gln Lys Thr Lys
20 25

<210> 3509
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3509
Met Asn Ile Leu Ile Lys Arg Ile Leu Val Leu Ala Gln Leu Met His
1 5 10 15

Ile Ser Asp Ser His Ile Cys Cys Ile Asn Trp Phe Asn Thr Phe Gly
20 25 30

Thr

<210> 3510
<211> 3
<212> PRT
<213> Homo sapiens

<400> 3510
Leu Val Tyr
1

<210> 3511
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3511
Met Val Leu Leu Ile Leu Phe Ile His Cys Pro Leu Val Arg Cys Tyr

1

5

10

15

Arg Ile Leu Met Asn Ala Phe Cys Ile Val Val Phe His Thr Ser
20 25 30

<210> 3512

<211> 38

<212> PRT

<213> Homo sapiens

<400> 3512

Met Trp Tyr Leu Thr Phe Ser Lys His Phe Leu Leu Leu Gly Phe Pro
1 5 10 15

Val Pro Phe Ser Asp Gly Glu Leu Thr Val Pro Ile Glu Ile Phe Ile
20 25 30

Phe Ile Thr Ile Leu Thr
35

<210> 3513

<211> 33

<212> PRT

<213> Homo sapiens

<400> 3513

Met Arg Gln Met Ser Leu Asn Trp Lys Asp Ile Leu Thr Leu Leu Cys
1 5 10 15

Val Leu Thr Ala Cys Phe Trp Thr Ser Thr Glu Pro Ala Leu Leu Met
20 25 30

Gln

<210> 3514

<211> 80

<212> PRT

<213> Homo sapiens

<400> 3514

Met Trp Gly Arg Arg Gln Cys Ala Leu Trp Met Val Phe Thr Ser Thr
1 5 10 15

Ala His Thr Thr Leu Gly Ser Arg Pro Ser Thr Lys Gln Glu Ser Ala
20 25 30

Arg Thr Ala Arg Pro Trp Ser Ser Lys Arg Leu Arg Val Arg Pro Phe
35 40 45

Ser Ser Ile Pro Gln Ser Glu Asn Cys Val Ala Ser Lys Val Ala Gly
50 55 60

Lys Pro Gly Gly Asn Pro Thr Thr Ala His Ile Pro Glu Val Phe Pro
65 70 75 80

<210> 3515
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3515
Met Val Glu Pro Gly Gly Ala Thr Met Gly Ala Gly Pro Gly Ser Cys
1 5 10 15
Ile Leu Leu Ser Leu Leu Pro Leu Ala Arg Thr Cys Leu Ser Gly Asp
20 25 30
Phe Gly Leu
35

<210> 3516
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3516
Met Ile Met Gly Ala Leu Ile Arg Thr Leu Asp Thr Phe Val Ile Val
1 5 10 15
Phe Asn Ile Cys Ile
20

<210> 3517
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3517
Met His Ile Ser Tyr Leu His Ser Ser Tyr Val Ser Gly Ala Ile Val
1 5 10 15
Trp Leu Leu Ser Leu Ser Val Trp Phe His His Gln Ser Ile His Pro
20 25 30
Tyr Ile Lys Leu Lys Ile
35

<210> 3518
<211> 83
<212> PRT
<213> Homo sapiens

<400> 3518
Met Gln Phe His Ala Ser Val Pro Ser Leu Met Leu Phe Leu Pro Thr

1 5 10 15
Gly Met Pro Ser Pro Ala Pro Pro Ala Leu Ser Ala Trp Gln Val His
20 25 30
Leu Ser Arg Ser Pro Gln Arg Pro Pro Pro Pro Gly Arg Gln Pro Leu
35 40 45
Cys Pro Ser Pro Pro Gly Tyr Leu Cys Thr Leu Ser Met Leu Leu Leu
50 55 60
Trp His Leu Ser His Cys Ile Leu Leu Val Tyr Met Phe Val Ser Pro
65 70 75 80
Ser Arg Leu

<210> 3519
<211> 98
<212> PRT
<213> Homo sapiens

<400> 3519
Met Thr Arg Arg Leu Arg Arg Leu Ser Gly Cys Arg Cys Thr Pro Gly
1 5 10 15
Leu Gly Ala Ser Leu Pro Gly Pro Gly Ser Trp Val Ala Trp Leu
20 25 30
Gln Gly Lys Thr Gly Ala Arg Thr His Val Ser Pro Ala Gly Val Gly
35 40 45
Gly Ala Ala Ala Leu Gly Ser Gly Val Arg Pro Trp Gly Met Phe Pro
50 55 60
Met Val Gly Ser Leu Ala Arg Pro Glu Lys Thr Cys Ser Arg Ala Ser
65 70 75 80
Ile Arg Cys Pro Leu Glu Glu Ala Glu Leu Phe Glu Gly Cys Cys Lys
85 90 95
Val Arg

<210> 3520
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3520
Met Leu Arg Val Asp Leu Phe Thr Phe Ser Phe Asn Phe Thr Leu Thr
1 5 10 15
Glu Phe Phe Phe Pro Asn Gln Thr Asn Ser Leu Ala Ser Val Ala Phe
20 25 30
Ser Ser Leu Arg

<210> 3521
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3521
Asn Gly Ile Ala Ala Leu Ile Trp Gln Leu Cys Leu Ala Phe
1 5 10

<210> 3522
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3522
Met Arg Pro Ile Gly Pro Ser Glu Pro Phe Cys Gly Cys Thr Trp Gly
1 5 10 15
Pro Leu Trp Thr Met Gly Cys Gly
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<210> 3523
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3523
Met Pro Trp Gly Asn Cys Tyr Val Ile Ser His Leu Gln Gly Ser Ile
1 5 10 15
Leu Ile Gln Phe Leu Leu Asn Ile Gln Leu Gly Cys Arg Asp Ile Asp
20 25 30
Ile Ser Phe Glu Leu Ser Glu Phe Phe Ile Phe Ile Ser Lys Asn Leu
35 40 45

Ile

<210> 3524
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3524
Met Ser Ser Ile Ser Phe Leu Leu His Phe Leu His Val Leu Pro Leu
1 5 10 15
Trp Ala Pro Leu Val Ser Leu Ser Pro Leu Leu Pro Val Pro His Leu
20 25 30

Phe Ala Val Leu Val Glu Ala Glu Val Trp Ala Ala Lys Ile Trp Met
35 40 45

<210> 3525
<211> 41
<212> PRT
<213> Homo sapiens

<400> 3525
Met Cys Arg Ile His Leu Asn Ile Cys Lys Lys Leu Gln Gly Glu Glu
1 5 10 15
Leu Phe Phe Val Phe Leu Phe Leu Phe Val Leu Phe Phe Cys His Phe
20 25 30
Thr Asn Trp Pro His Asp Arg Leu Arg
35 40

<210> 3526
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3526
Met Gln Leu Cys Ser Gly Val Leu Asn Pro Gly Leu Ile Ser Asn Leu
1 5 10 15
Phe Ser Ser His Ser Ser Gln Leu Phe Cys Ala Val His Leu Gly Ser
20 25 30

<210> 3527
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3527
Met His Gly Leu Val Cys Phe Leu Gly Phe Ser Val Ser Leu Ser Cys
1 5 10 15
Phe Ala Phe Gln Arg Ser Cys Ser Tyr Gln Gly Ile Thr Gln Pro Leu
20 25 30
Lys Leu Ser Ser
35

<210> 3528
<211> 56

<212> PRT
<213> Homo sapiens

<400> 3528
Met Arg Ile Ala Val Leu Leu Met Thr Tyr His Ser Ser Cys Met Gly
1 5 10 15
Lys Gln Ser Arg Lys Gln Cys Pro Lys Trp Lys Lys Asp Thr His Thr
20 25 30
Glu Gln Asn Ser Ser Trp Ser Cys Ser Trp Ser Cys Gln Thr Leu Pro
35 40 45
Asp Ala Leu Ser Lys Val Lys Ile
50 55

<210> 3529
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3529
Met Gly Leu Phe Leu Leu Phe Leu Leu Arg Val Gly Val Gly Cys Val
1 5 10 15
Ile Cys Lys Tyr Phe Cys Ala
20

<210> 3530
<211> 136
<212> PRT
<213> Homo sapiens

<400> 3530
Met Ile Gln Asn Ile Leu Phe Leu Ser Ala Phe Phe Trp Gly Glu Gly
1 5 10 15
Pro Ile Ile Pro Thr Leu Pro His Thr Val Lys Ser Cys Pro Leu Trp
20 25 30
Glu Pro Gly Ser Phe Pro Gln Asn Val Ser Arg Ser Leu Glu Asp Asp
35 40 45
Pro Ser Ser Thr Pro His Ala Cys Ser Met Gly Gln Cys Pro Gln Leu
50 55 60
Pro Ala Phe Pro Leu Thr Met Glu Pro Gly Thr Pro Gly Lys Pro Gly
65 70 75 80
Ala Pro Arg Arg Pro Arg Ser Ser Arg Val Ala Ser Leu Ser Cys Arg
85 90 95
Ala Arg Trp Pro Asn Arg Pro His Gly Thr Thr Leu Ala Arg Ser Thr
100 105 110
Arg His Ala Gly Ser Pro Leu Leu Ser Cys Leu Ala Leu Leu Ser Cys
115 120 125

Ser Ser Trp Ile Thr Leu Gln Arg
130 135

<210> 3531
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3531
Met Pro Leu Ser Tyr Ser Phe Cys Val Leu Phe Ile Val Trp Cys Ile
1 5 10 15

His Ser Trp Lys Ile Cys Asn Ser Cys Val Ser Arg Ile Cys Val Phe
20 25 30

Thr

<210> 3532
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3532
Met Pro Leu Ser Tyr Ser Phe Cys Val Leu Phe Ile Val Trp Cys Ile
1 5 10 15

His Ser Trp Lys Ile Cys Asn Ser Cys Val Ser Arg Ile Cys Val Phe
20 25 30

Thr

<210> 3533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3533
Met Leu Cys Val Cys Leu Ser Thr Ala Ile Ser Ala Thr Phe Ser Leu
1 5 10 15

Met His Val Glu
20

<210> 3534
<211> 8
<212> PRT
<213> Homo sapiens

<400> 3534
Met Ser Ala Trp Cys Asn Phe Tyr

1

5

<210> 3535

<211> 35

<212> PRT

<213> Homo sapiens

<400> 3535

Met Cys Ser Gly Asn Gly Ala Ala Cys Ile Cys Arg Ala Gln Val Leu
1 5 10 15

Leu Ala Leu Cys Cys Gly Ile Cys Thr Ser Pro Ala Ile Cys Cys Pro
20 25 30

Trp Ala Thr

35

<210> 3536

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3536

Met Gly Ser Cys Leu Leu Pro Asn Val Tyr Phe Ser Cys
1 5 10

<210> 3537

<211> 32

<212> PRT

<213> Homo sapiens

<400> 3537

Met Met Phe Leu Ile Ile Met Val Ile Thr Thr Val Leu Phe Ser Asp
1 5 10 15

Glu Ser Val Arg Ser Pro Gly Thr Cys Glu Tyr Val Val Phe Asp Leu
20 25 30

<210> 3538

<211> 14

<212> PRT

<213> Homo sapiens

<400> 3538

Phe Phe Thr Phe Pro Ser Ala Ala His Thr Ala Ile Gln Gln
1 5 10

<210> 3539

<211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 3539
 Met Cys Met Cys Val His Val Cys Ala Cys Met Cys Val Pro Met Cys
 1 5 10 15

Met Cys Ala Cys Arg Cys Xaa Cys Val Cys Leu Cys Val Cys Thr
 20 25 30

<210> 3540
 <211> 187
 <212> PRT
 <213> Homo sapiens

<400> 3540
 Met Val Asp Ile Leu Arg Ala Leu Glu Lys Leu Arg Lys Leu Arg Lys
 1 5 10 15

Glu Ala Ala Ala Arg Lys Gly Val Cys Pro Pro Ala Ser Ala Asp Glu
 20 25 30

Thr Phe Thr His His Leu Gln Arg Leu Arg Lys Leu Ile Lys Lys Arg
 35 40 45

Ser Glu Leu Tyr Glu Ala Glu Glu Arg Ala Leu Arg Val Met Leu Glu
 50 55 60

Gly Glu Gln Glu Glu Glu Arg Lys Arg Glu Leu Glu Lys Lys Gln Arg
 65 70 75 80

Lys Glu Lys Glu Lys Ile Leu Leu Gln Lys Arg Glu Ile Glu Ser Lys
 85 90 95

Leu Phe Gly Asp Pro Asp Glu Phe Pro Leu Ala His Leu Leu Glu Pro
 100 105 110

Phe Arg Gln Tyr Tyr Leu Gln Ala Glu His Ser Leu Pro Ala Leu Ile
 115 120 125

Gln Ile Arg His Asp Trp Asp Gln Tyr Leu Val His Pro Ile Ile Pro
 130 135 140

Lys Ala Thr Ser Phe Pro Lys Asp Gly Ser Phe Pro Arg Ser Pro Ala
 145 150 155 160

Thr Thr Ser Gly Gln Leu Leu Leu Ser Cys Ile Ser Lys Asp Ala Pro
 165 170 175

Gly Val Trp Ser Ser Gln Arg Ser Phe Gln Leu
 180 185

<210> 3541
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3541
Met Glu Ser Leu Cys Cys Arg Val His Thr Ser Arg Ile Cys Leu Met
1 5 10 15
Asn Gly Val Cys Leu Leu Tyr Trp Ser
20 25

<210> 3542
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3542
Met Lys Asp Leu Leu Ser Gln Ala His Glu Thr Ser Ser Glu Glu Ala
1 5 10 15
Val Leu Phe Leu Tyr
20

<210> 3543
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3543
Leu Met Leu Thr Ala Arg Phe Val Gln Cys Thr Val Val Asp Pro Ser
1 5 10 15
Ala Gly Phe Leu Ile Trp Ile Gln Ala Arg Ala
20 25

<210> 3544
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3544
Leu Tyr Leu Cys Gly Ser
1 5

<210> 3545
<211> 93
<212> PRT
<213> Homo sapiens

<400> 3545
Gln Asn Thr Leu Thr Arg Phe Met Arg Leu Pro Leu Ile Ser Val Ala

1

5

10

15

Leu Val Gln Gly Trp Ala Leu Gly Gly Ala Glu Phe Thr Thr Ala
20 25 30

Cys Asp Phe Arg Léu Met Thr Pro Glu Ser Lys Ile Arg Phe Val His
35 40 45

Lys Glu Met Gly Ile Ile Pro Ser Trp Gly Gly Thr Thr Arg Leu Val
50 55 60

Glu Ile Ile Gly Ser Arg Gln Ala Leu Lys Val Leu Ser Gly Ala Leu
65 70 75 80

Lys Leu Gly Phe Lys Lys Cys Ser Lys His Arg Asn Gly
85 90

<210> 3546

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3546

Met Phe Leu Val Val Val Val Val Leu Ala Phe Asn
1 5 10

<210> 3547

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3547

Ile Tyr Leu Phe Gln Phe Thr Leu Ser Phe Cys Cys Phe
1 5 10

<210> 3548

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3548

Pro Phe Ser Leu Pro Pro Phe Ser Asn Cys Trp Tyr Val Ser Ile Val
1 5 10 15

Pro Ser Pro His Met Gln Glu Ala Ala Arg Ile Leu Glu Ile Ala Ala
20 25 30

Trp Ser Ser Glu Thr Leu Pro
35

<210> 3549

<211> 62

<212> PRT

<213> Homo sapiens

<400> 3549

Met Thr Ile Leu Gln Val Val Ala Leu Pro Leu Tyr Leu Tyr Ile Ile
1 5 10 15

Leu Thr Trp His Leu Trp Pro Phe Leu Cys Ser Tyr Val Ser Val Phe
20 25 30

Pro Gly Arg Val Tyr Ala Leu Glu Cys Gln Glu Leu Val Ser Leu Val
35 40 45

Phe Phe Ile Tyr Leu Ala Tyr Lys Ile Leu Leu Arg Ile Trp
50 55 60

<210> 3550

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3550

Met Glu Phe Phe Glu Thr Leu Gly Leu Asn Asp Ser Ser Glu Leu Ser
1 5 10 15

Leu Leu Phe Asp Thr Lys Glu Trp His Val Trp Gly Phe Leu
20 25 30

<210> 3551

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3551

Met Ala Cys Lys Leu Lys Leu Phe Thr Ile Trp Cys Phe Thr Gly Lys
1 5 10 15

Ala Leu Pro Thr Ser Xaa Phe Asn
20

<210> 3552

<211> 45

<212> PRT

<213> Homo sapiens

<400> 3552

Met Leu Trp Glu Val Cys Ser Phe Ala Phe Cys Asn Ile Ala Cys Cys
1 5 10 15

Cys Ser Leu Phe Gly Phe Val Pro Pro Leu Ser Ala Val Thr Leu Thr
20 25 30

Ala Lys Ser Ala Thr Ser Leu Leu Arg Pro Ala Arg Pro
35 40 45

<210> 3553
<211> 136
<212> PRT
<213> Homo sapiens

<400> 3553
Met Ser Leu Ser Lys Ser Glu Arg Val Leu Cys Leu Trp Leu Ala Leu
1 5 10 15

Pro Thr Thr Arg Pro Ala Leu Cys Arg His Val Ser Leu Cys Pro Thr
20 25 30

Pro Lys Gly Glu Ile Gln His Pro Thr Ala Gln Gln Ala Ala Cys Gln
35 40 45

Gln His Pro Pro Leu Gly Ser Pro Arg Cys Ser Pro Glu Pro His Arg
50 55 60

Ala Leu Ile Thr Phe Ser Ala Ser Gly Asn Gln Ala Leu Ala Ser Leu
65 70 75 80

Ser Pro Pro Pro Leu Leu Ser Pro Phe Pro Pro Asp Pro Gln Asp Leu
85 90 95

Phe Pro Trp Leu Gln Tyr Ser Leu Ala Tyr Arg Ser Pro Lys Ala Val
100 105 110

Leu Gly Met Pro Cys Pro Ser Pro Ser Asn Arg Pro Arg Ala Glu Phe
115 120 125

Asp Ile Lys Leu Ile Asp Thr Val
130 135

<210> 3554
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3554
Met Pro Leu Leu Phe Met Ser Leu Thr Leu Leu Trp Gln Ser Gly Cys
1 5 10 15

Ser Arg Lys

<210> 3555
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3555

Ala Val Pro His Pro Asn Leu Ile Trp Asn Cys Ser Ser His Asn Ser
1 5 10 15

His Thr Ser Trp Asp Gly Pro Gly Glu Arg
20 25

<210> 3556
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3556
Met Arg Ser Leu Pro Phe Tyr Phe Leu Leu Cys Cys Phe Leu
1 5 10

<210> 3557
<211> 4
<212> PRT
<213> Homo sapiens

<400> 3557
Met Arg Lys Ala
1

<210> 3558
<211> 8
<212> PRT
<213> Homo sapiens

<400> 3558
Met Cys Ala Ala Glu Pro Tyr Phe
1 5

<210> 3559
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3559
Met Val Asn Phe Phe Cys Phe Val Leu Leu Arg Arg Val Ser Ser Leu
1 5 10 15

Xaa Lys Lys Lys Lys Ser Glu Arg His Glu Arg Cys Lys Glu Ala

20

25

30

Gln Xaa Trp Leu
35

<210> 3560
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3560
Met Ser Phe His Met Ile Val Ile Leu Leu Gln Ser Ile Thr Lys Asp
1 5 10 15

Ser Thr Ile Leu Val
20

<210> 3561
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3561
Met Gln Ala Gln Phe Lys Thr Pro Ala Tyr Ser Lys Val Ser Val Leu
1 5 10 15
Ile Leu Thr His Cys Ile Leu Trp Val Trp
20 25

<210> 3562
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3562
Met Leu Asn Val Lys His Met Pro Asn Ile Ser Leu Val Leu Phe Val
1 5 10 15
Thr Phe Phe Pro Gln Tyr Phe Arg Val Ile
20 25

<210> 3563
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3563
Met His Ser Arg Lys Pro Val Arg Val Leu Ser Ile Leu Gln Leu Val
1 5 10 15
Leu Gly Leu Tyr Pro Ser Cys Lys Asp Val Met Pro Gln Lys
20 25 30

<210> 3564
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3564
Met Gln Arg Phe Val Gly Leu Cys Gly Asn Ile Ile Ile Ile Trp Pro
1 5 10 15
Cys Val Ala Met Ser
20

<210> 3565
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3565
Phe His Leu Tyr Ser Leu Leu Leu Val
1 5

<210> 3566
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3566
Met Ala Gln Glu Ser Leu Ser Pro Leu Gly Leu Leu Ile Leu Val Cys
1 5 10 15
Ala Glu Pro Ser Val Cys Ala Glu Gly
20 25

<210> 3567
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3567
Met Lys Cys Ile Ser Met Ala Ile Leu Phe Trp Ile Tyr Gly Gly Ser
1 5 10 15
Arg Ala Phe Leu Thr Leu Lys Val Val Cys Val Arg Glu Lys Ala Phe
20 25 30

Thr Ala

<210> 3568
<211> 21
<212> PRT

<213> Homo sapiens

<400> 3568

Phe	Leu	Cys	Met	Phe	Phe	Leu	Gln	Thr	Leu	Gln	Arg	Cys	Asp	Tyr	Thr
1				5					10					15	
Ile	Val	Tyr	Lys	Gln											
				20											

<210> 3569

<211> 21

<212> PRT

<213> Homo sapiens

<400> 3569

Phe	Leu	Cys	Met	Phe	Phe	Leu	Gln	Thr	Leu	Gln	Arg	Cys	Asp	Tyr	Thr
1				5					10					15	
Ile	Val	Tyr	Lys	Gln											
				20											

<210> 3570

<211> 78

<212> PRT

<213> Homo sapiens

<400> 3570

Met	Gln	Phe	Leu	Lys	Asn	Val	Arg	Cys	Phe	Thr	Phe	Ser	Phe	Ser	His
1					5					10				15	

Leu	Val	Phe	Asn	Ile	Trp	Cys	Val	Phe	Tyr	Thr	Ser	Ser	Thr	Ser	Gln
				20					25				30		

Phe	Thr	Pro	Ala	Thr	Phe	Lys	Met	Leu	Ser	Ser	Arg	Met	Gln	Leu	Val
	35					40						45			

Gln	Pro	Tyr	Leu	Gly	Pro	Val	Ser	Ala	Trp	Gly	Arg	Ala	Gly	Glu	Leu
	50					55					60				

Ser	Cys	Val	His	Gly	Gly	Pro	Gly	Glu	Pro	Pro	Val	Leu	Cys		
	65				70					75					

<210> 3571

<211> 11

<212> PRT

<213> Homo sapiens

<400> 3571

Met	Ser	Ser	Leu	His	Thr	Thr	Ile	Thr	Val	Phe					
1					5				10						

<210> 3572

<211> 34

<212> PRT
<213> Homo sapiens

<400> 3572
Met Gly Leu Thr Gly Pro Phe Thr Phe Ile Tyr Leu Leu Phe Glu Ile
1 5 10 15

Leu Ser Gly Gln Thr Thr Glu Pro Gln Ile Asn Tyr Phe Leu Thr Lys
20 25 30

Phe Trp

<210> 3573
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3573
Met Arg Phe Ser Lys Asn Val Ile Trp Val His Asn Phe Ile Leu Leu
1 5 10 15

Trp Ser Asp Asn Ser Pro Cys Glu Ile Ser Ala Phe
20 25

<210> 3574
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3574
Asp Pro Pro Cys Pro Ala Ser Ile Pro Thr Ile Leu Tyr Ser Thr Leu
1 5 10 15

<210> 3575
<211> 73
<212> PRT
<213> Homo sapiens

<400> 3575
Met Ala Pro Arg Pro His Leu Leu Thr Val Leu Leu Leu Pro Leu
1 5 10 15

Gly Leu Asn Pro Lys Ala Ser Leu Gln Trp Gly Gly Pro Cys Leu Gly
20 25 30

Lys Ala Gly Ala Ser Ser Pro Leu Val Pro Leu Leu Trp Arg Val
35 40 45

Ser Cys Glu Val Ser Val Ile Pro Lys Val Lys Phe Ala Gly Leu Asn
50 55 60

Asp Ser Val Cys Pro Ala Ser Leu Cys
65 70

<210> 3576
<211> 91
<212> PRT
<213> Homo sapiens

<400> 3576
Met Leu Arg Ala Leu Ser Cys Leu His Ser Leu Val Gly Cys Ala Ala
1 5 10 15
Gly Ser His Cys Met Arg Asn Gly Ser Asn Leu Ser Val Lys Ser Leu
20 25 30
Gln Thr Ser Gly Arg Ser Gly Ser Gln Trp Asn Asn Tyr Ser Gly Met
35 40 45
Arg Leu Gln Val Pro Leu Leu Pro Glu Leu His Ser Arg Leu Cys Glu
50 55 60
Gly Glu Lys Gly Ile His Leu Arg Ser Phe His Gly Arg His Arg Tyr
65 70 75 80
Phe Asn Val Ala Ile Pro Ser Asn Arg Val Ser
85 90

<210> 3577
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3577
Met Gly Leu Lys Gly Ala Ala Leu Cys Leu Phe Ile Thr Trp Val His
1 5 10 15
Cys Ile Leu Val Val Thr Gly Phe Pro Val Tyr Ser Ser Pro Thr Gln
20 25 30

<210> 3578
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3578
Met Glu Ile Gly Phe Phe Leu Leu Phe Phe Leu Leu Arg Tyr Thr Ala
1 5 10 15
Asn Pro Glu Thr Thr Phe Leu Asn Ser Ser Ser Leu Ala Val Gln
20 25 30
Thr Ile Phe Cys Phe Gln Met

<210> 3579
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 3579
 Met Phe Leu Asn Arg Leu Lys Leu Leu Tyr Gly Phe Trp Leu Ile Ile
 1 5 10 15
 Ile Asn Thr Val Asn Tyr Thr Arg Gln Pro Thr Arg Ser
 20 25

<210> 3580
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids
<400> 3580
 Met Leu Gln Lys Glu Val Arg Gln Gln Ile Leu Ile Val Leu Met Thr
 1 5 10 15
 Phe Lys Xaa Thr Tyr Ile Arg Glu Ser Leu Phe Ser Thr Phe Phe Arg
 20 25 30
 Gln Asn Leu Leu Leu Ser Leu His Asn Ile Tyr Gln Val Phe Ser Gly
 35 40 45
 Met Glu Gly Glu Lys Ser Lys Leu Thr Leu Leu Asn Ile Phe
 50 55 60

<210> 3581
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 3581
 Met Asn Ser Glu Val Glu Cys Met Pro Phe Thr Ser Val His Ile Leu
 1 5 10 15
 Pro Asp Phe Leu Leu Gly Cys Leu His Thr Ser Leu Thr Phe Leu Leu
 20 25 30
 Leu Asn Leu Pro Leu Cys Met Val Leu Leu Pro Pro Phe Asn Arg Leu
 35 40 45
 Asp Val Leu Thr Ser Ala Tyr Cys Ile Leu His Pro His Thr Ser Cys
 50 55 60

Gln Val Phe Pro Tyr Thr Gly Ser Ile Leu His Ser
65 70 75

<210> 3582
<211> 70
<212> PRT
<213> Homo sapiens

<400> 3582
Met Leu Leu Tyr Val Ser Val Gln Thr Pro Cys Leu Leu Ile Phe Cys
1 5 10 15

Val Asp Val Leu Leu Thr Ile Glu Ser Gly Ser Phe Gln Pro Pro Ala
20 25 30

Met Ile Arg Ala Thr Pro Tyr Phe Leu Gln Phe His Gln Trp Leu Leu
35 40 45

His Ile Phe Trp Asp Ser Val Phe Asp Phe Gly Thr Tyr Ile Phe Lys
50 55 60

Ile Ile Val Ser Pro Cys
65 70

<210> 3583
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3583
Met Asn Gly Asn His Ala Trp Ile Ser Trp Ala Phe Ser Met Leu Phe
1 5 10 15

Phe Pro Ser Pro Leu Pro Gly Ile Tyr Ser Lys Leu Thr Tyr Asn Ser
20 25 30

Glu Asn

<210> 3584
<211> 54
<212> PRT
<213> Homo sapiens

<400> 3584
Met Val Met Leu Thr Leu Ser Ile Cys Ile Ser Thr Ser Leu Leu Gly
1 5 10 15

Asp Thr Ala Gly Val Ser Phe Ser Glu Glu Cys His Thr Thr Met Glu
20 25 30

Leu Phe Ser Ile Asp Leu Glu Ile Gly Asn Phe Leu Tyr Thr Leu Arg
35 40 45

Glu Asn Phe Phe Glu Met

<210> 3585
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3585
Met Leu Asn Gly Gly Glu Leu Gly Ile Leu His Leu Phe Leu Ile
1 5 10 15
Ile Leu Asp Ile Ser Leu Leu Glu Glu Lys Leu Ser Val Thr Thr Glu
20 25 30
His Lys Val Asp Phe Ser Leu Ser Ser Pro Ile Phe
35 40

<210> 3586
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3586
Met Ala Pro Lys Ala Trp Pro
1 5

<210> 3587
<211> 361
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (303)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3587
Met Trp Val Leu Thr Pro Ala Ala Phe Ala Gly Lys Leu Leu Ser Val
1 5 10 15
Phe Arg Gln Pro Leu Ser Ser Leu Trp Arg Ser Leu Val Pro Leu Phe
20 25 30

Cys Trp Leu Arg Ala Thr Phe Trp Leu Leu Ala Thr Lys Arg Arg Lys
35 40 45

Gln Gln Leu Val Leu Arg Gly Pro Asp Glu Thr Lys Glu Glu Glu
50 55 60

Asp Pro Pro Leu Pro Thr Thr Pro Thr Ser Val Asn Tyr His Phe Thr
65 70 75 80

Arg Gln Cys Asn Tyr Lys Cys Gly Phe Cys Phe His Thr Ala Lys Thr
85 90 95

Ser Phe Val Leu Pro Leu Glu Glu Ala Lys Arg Gly Leu Leu Leu
100 105 110

Lys Glu Ala Gly Met Glu Lys Ile Asn Phe Ser Gly Gly Glu Pro Phe
115 120 125

Leu Gln Asp Arg Gly Glu Tyr Leu Gly Lys Leu Val Arg Phe Cys Lys
130 135 140

Val Glu Leu Arg Leu Pro Ser Val Ser Ile Val Ser Asn Gly Ser Leu
145 150 155 160

Ile Arg Glu Arg Trp Phe Gln Asn Tyr Gly Glu Tyr Leu Asp Ile Leu
165 170 175

Ala Ile Ser Cys Asp Ser Phe Asp Glu Glu Val Asn Val Leu Ile Gly
180 185 190

Arg Gly Gln Gly Lys Lys Asn His Val Glu Asn Leu Gln Lys Leu Arg
195 200 205

Arg Trp Cys Arg Asp Tyr Arg Val Ala Phe Lys Ile Asn Ser Val Ile
210 215 220

Asn Arg Phe Asn Val Glu Glu Asp Met Thr Glu Gln Ile Lys Ala Leu
225 230 235 240

Asn Pro Val Arg Trp Lys Val Phe Gln Cys Leu Leu Ile Glu Gly Glu
245 250 255

Asn Cys Gly Glu Asp Ala Leu Arg Glu Ala Glu Arg Phe Val Ile Gly
260 265 270

Asp Glu Glu Phe Glu Arg Phe Leu Glu Arg His Lys Glu Val Ser Cys
275 280 285

Leu Val Pro Glu Ser Asn Gln Lys Met Lys Asp Ser Tyr Leu Xaa Leu
290 295 300

Asp Glu Tyr Met Arg Phe Leu Asn Cys Arg Lys Gly Arg Lys Asp Pro
305 310 315 320

Ser Lys Ser Ile Leu Asp Val Gly Val Glu Glu Ala Ile Lys Phe Ser
325 330 335

Gly Phe Asp Glu Lys Met Phe Leu Lys Arg Gly Gly Lys Tyr Ile Trp
340 345 350

Ser Lys Ala Asp Leu Lys Leu Asp Trp
355 360

<210> 3588
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3588
Met Asn Val Cys Phe Val Leu Phe Leu Leu Tyr Cys Leu Leu Asp Leu
1 5 10 15

Gly Cys Phe Pro Leu Ser Val Arg Thr Val Asn Val Asp Met Lys Val
20 25 30

His Ser Pro Val Glu
35

<210> 3589
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3589
Met Val Leu Leu Val Gln Ala Asp Cys Phe Ser Leu Leu Met Asn Ile
1 5 10 15

Ala Trp Leu Leu Ile Ile Ser Tyr Leu Glu Gly Ser Leu Gly Glu Gln
20 25 30

Phe

<210> 3590
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3590
Met Leu Ser Pro Trp Trp Gly Ser Asp Cys Phe Leu Glu Leu Ala Leu
1 5 10 15

Phe Phe Ser Ala Ser Glu Leu Ser Leu Leu Pro Leu Ala Leu Ser Ile
20 25 30

Phe Pro Ile Tyr Ile Cys Leu Ser Arg Phe Lys Phe Tyr Leu Leu Gln
35 40 45

Asp Ala Asn His Asn Phe Pro Ile Lys Cys Asn Leu Leu Val Phe Ala
50 55 60

Ser Pro Thr Val Leu Cys Gln Lys Cys Ser Pro Arg Gly Thr Glu Asn
65 70 75 80

Tyr Ser Phe Leu Gln Cys Gly Cys Ser His Pro Pro Phe Phe Leu Pro
85 90 95

Phe Cys Xaa Gln Thr Pro Xaa Arg

<210> 3591
 <211> 399
 <212> PRT
 <213> Homo sapiens

<400> 3591
 Met Leu Ser Leu Pro Cys Gly Trp Leu Cys Thr Ala Ile Gly Leu Pro
 1 5 10 15

Thr Met Phe Gly Tyr Ile Ile Cys Gly Val Leu Leu Gly Pro Ser Gly
 20 25 30

Leu Asn Ser Ile Lys Ser Ile Val Gln Val Glu Thr Leu Gly Glu Phe
 35 40 45

Gly Val Phe Phe Thr Leu Phe Leu Val Gly Leu Glu Phe Ser Pro Glu
 50 55 60

Lys Leu Arg Lys Val Trp Lys Ile Ser Leu Gln Gly Pro Cys Tyr Met
 65 70 75 80

Thr Leu Leu Met Ile Ala Phe Gly Leu Leu Trp Gly His Leu Leu Arg
 85 90 95

Ile Lys Pro Thr Gln Ser Val Phe Ile Ser Thr Cys Leu Ser Leu Ser
 100 105 110

Ser Thr Pro Leu Val Ser Arg Phe Leu Met Gly Ser Ala Arg Gly Asp
 115 120 125

Lys Glu Gly Asp Ile Asp Tyr Ser Thr Val Leu Leu Gly Met Leu Val
 130 135 140

Thr Gln Asp Val Gln Leu Gly Leu Phe Met Ala Val Met Pro Thr Leu
 145 150 155 160

Ile Gln Ala Gly Ala Ser Ala Ser Ser Ser Ile Val Val Glu Val Leu
 165 170 175

Arg Ile Leu Val Leu Ile Gly Gln Ile Leu Phe Ser Leu Ala Ala Val
 180 185 190

Phe Leu Leu Cys Leu Val Ile Lys Lys Tyr Leu Ile Gly Pro Tyr Tyr
 195 200 205

Arg Lys Leu His Met Glu Ser Lys Gly Asn Lys Glu Ile Leu Ile Leu
 210 215 220

Gly Ile Ser Ala Phe Ile Phe Leu Met Leu Thr Val Thr Glu Leu Leu
 225 230 235 240

Asp Val Ser Met Glu Leu Gly Cys Phe Leu Ala Gly Ala Leu Val Ser
 245 250 255

Ser Gln Gly Pro Val Val Thr Glu Glu Ile Ala Thr Ser Ile Glu Pro
 260 265 270

Ile Arg Asp Phe Leu Ala Ile Val Phe Phe Ala Ser Ile Gly Leu His
275 280 285

Val Phe Pro Thr Phe Val Ala Tyr Glu Leu Thr Val Leu Val Phe Leu
290 295 300

Thr Leu Ser Val Val Met Lys Phe Leu Leu Ala Ala Leu Val Leu
305 310 315 320

Ser Leu Ile Leu Pro Arg Ser Ser Gln Tyr Ile Lys Trp Ile Val Ser
325 330 335

Ala Gly Leu Ala Gln Val Ser Glu Phe Ser Phe Val Leu Gly Ser Arg
340 345 350

Ala Arg Arg Ala Gly Val Ile Ser Arg Glu Val Tyr Leu Leu Ile Leu
355 360 365

Ser Val Thr Thr Leu Ser Leu Leu Leu Ala Pro Val Leu Trp Arg Ala
370 375 380

Ala Ile Thr Arg Cys Val Pro Arg Pro Glu Arg Arg Ser Ser Leu
385 390 395

<210> 3592

<211> 23

<212> PRT

<213> Homo sapiens

<400> 3592

Met Gly Leu Ala Gln Val Val Leu Pro Ala Val Ala His Met Ser Leu
1 5 10 15

Ala Pro Val Thr Leu Leu Ala
20

<210> 3593

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3593

Met Ala Phe Phe Cys Ser Cys Gly Ser Arg Ala Val Glu Thr Ser Trp
1 5 10 15

Val Phe Leu Leu Ile Leu Cys Gln Pro Pro Gly Ala Val Cys Thr Gly
20 25 30

Val Gly His Leu Ala Pro Phe
35

<210> 3594

<211> 61

<212> PRT

<213> Homo sapiens

<400> 3594
Met Trp Leu Phe Arg Ser Leu Ser Gly Leu Phe Thr Asp Ile Leu Ala
1 5 10 15

Ser Pro Gln Leu Ser Leu Thr Lys Gly Tyr Ser Gln Lys Trp Ser Pro
20 25 30

Tyr Phe Pro Ser Ser Asn Asp Tyr Leu Pro Gly Gly Arg Ser Ser Ser
35 40 45

Val His Ser Ile Cys Phe Arg Thr Tyr Ala Gln Arg Leu
50 55 60

<210> 3595
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3595
Met Ser Ile Leu Ser Val Ser His Phe Glu Asp Phe Phe Ser Leu Leu
1 5 10 15

Tyr Leu Cys Phe Ser Phe Phe Gly Phe Tyr Phe Val Val Leu Ser Val
20 25 30

Ile Phe Asn Val Pro Lys Ile Cys Thr Cys Ser Ile Lys Asn Val Val
35 40 45

<210> 3596
<211> 71
<212> PRT
<213> Homo sapiens

<400> 3596
Met Ala Gly Met Ala Leu Ala Arg Ala Trp Lys Gln Met Ser Trp Phe
1 5 10 15

Tyr Tyr Gln Tyr Leu Leu Val Thr Ala Leu Tyr Met Leu Glu Pro Trp
20 25 30

Glu Arg Thr Val Phe Asn Ser Met Leu Val Ser Ile Val Gly Met Ala
35 40 45

Leu Tyr Thr Gly Tyr Val Phe Met Pro Gln His Ile Met Ala Ile Leu
50 55 60

His Tyr Phe Glu Ile Val Gln
65 70

<210> 3597
<211> 7

<212> PRT

<213> Homo sapiens

<400> 3597

Glu Leu Phe Ile Leu Gln Ile
1 5

<210> 3598

<211> 60

<212> PRT

<213> Homo sapiens

<400> 3598

Met Glu Val Ile Ile Asn Ala Ser Trp Arg Leu Trp Val Trp Gly Ile
1 5 10 15

Leu Tyr Leu Asp Ser Val Ser Leu Gln Leu Glu Ala Val Gly Val Gly
20 25 30

Asp Ser Val Ser Gly Phe Arg Ile Thr Pro Ser Gly Gly Trp Gln Val
35 40 45

Phe Leu Gln Asp Gly Pro Glu Ser Lys Met Ser His
50 55 60

<210> 3599

<211> 71

<212> PRT

<213> Homo sapiens

<400> 3599

Met Lys Ala Val Gly Leu Ala Trp Ala Ile Gly Phe Pro Cys Gly Ile
1 5 10 15

Leu Leu Phe Ile Leu Thr Lys Arg Glu Val Asp Lys Asp Arg Val Lys
20 25 30

Gln Met Lys Ala Arg Gln Asn Met Arg Leu Ser Asn Thr Gly Glu Tyr
35 40 45

Glu Ser Gln Arg Phe Arg Ala Ser Ser Gln Ser Ala Pro Ser Pro Asp
50 55 60

Val Gly Ser Gly Val Gln Thr
65 70

<210> 3600

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3600

Met Thr Val Cys Gly Ser Phe Ala Ile Phe Leu Cys Ile Lys Ser Ala
1 5 10 15

Ile Val Ala Ala Ser Glu His Ala Cys Ile Pro Thr Asp Ile
20 25 30

<210> 3601
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3601
Met His Leu Ser Asn Ala Cys Leu Val Phe Val Leu Gln Thr Cys Leu
1 5 10 15
Trp Trp Arg Val Val Ser Cys Ser Pro Val Arg Leu Lys Ala Ala Leu
20 25 30

<210> 3602
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3602
Met Thr Met Phe Phe Ser Thr Trp Lys Ile Ala Thr Leu Cys Ser Thr
1 5 10 15
Phe Ser Gln Pro Gln Pro Trp Ser Thr Ile Thr Met Lys Lys Lys Asn
20 25 30

Met Pro

<210> 3603
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3603
Met Cys Thr Ala Gly Ile Ala Glu Leu Leu Thr Trp Ile Leu Val Leu
1 5 10 15
Ala Phe Leu Leu Gln Phe Gln Tyr Leu His Leu
20 25

<210> 3604
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3604
Met Tyr Leu Val Ile Phe Ser Cys Cys Pro Leu Gly Val Phe Pro Phe
1 5 10 15

Phe Ser His Val Asn Ile Phe His Arg Tyr Pro Cys Ser Leu Leu Asn
20 25 30

Leu Gln Ala His Thr Met Leu His Arg Ser
35 40

<210> 3605
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3605
Met Val Ile Val Leu Tyr Ile Asn Ile Glu His Cys Cys Asp Cys Ser
1 5 10 15

Arg Thr Phe Tyr Val Thr Ala Leu Lys Gln Arg His Asp Tyr
20 25 30

<210> 3606
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3606
Gly Gln Leu Arg Trp Ser Ser Leu Val Ser Gln Phe Ala Cys Leu Phe
1 5 10 15
Ile Leu Phe Ser Ala Lys Cys Ile Pro Phe
20 25

<210> 3607
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3607
Met Val Phe Thr Phe Asp Leu Phe Gly Ile Leu Leu Thr Ser Gly Ile
1 5 10 15
Leu Gly Arg His Phe Phe Tyr Ser Ser Ala Tyr Glu Phe Lys Ala Ile
20 25 30
Phe Cys Lys Tyr Phe
35

<210> 3608
<211> 72
<212> PRT
<213> Homo sapiens

<400> 3608
Met Ser Asn Thr Thr Val Pro Asn Ala Pro Gln Ala Asn Ser Asp Ser

1 5 10 15

Met Val Gly Tyr Val Leu Gly Pro Phe Phe Leu Ile Thr Leu Val Gly
20 25 30

Val Val Val Ala Val Val Arg Ser Pro His Ile His Thr Asp Thr His
35 40 45

Ser Phe Ala Lys Ala Gly Ala Gly Trp Ala Trp Ser Ser Leu His Arg
50 55 60

Val Pro Thr Val Leu Leu Arg Glu
65 70

<210> 3609

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3609

Cys Ala Ser Ser Pro Phe Leu Ser Leu Gly Pro Pro Arg His Thr Ile
1 5 10 15

Ser Val Lys Gly Leu Ser Ser Pro His Gly Leu Leu Ser Gln Pro Phe
20 25 30

Pro Leu Trp Gln Pro Trp Gly
35

<210> 3610

<211> 28

<212> PRT

<213> Homo sapiens

<400> 3610

Phe Gly Phe Gly Gly Cys Phe Phe Val Val Ala Trp Phe Gly Ile Phe
1 5 10 15

Gly Phe Val Cys Ile Cys Ile Asn Phe Leu Tyr Asn
20 25

<210> 3611

<211> 48

<212> PRT

<213> Homo sapiens

<400> 3611

Met Met Gly Trp Arg Ile Leu Ala Ile Gly Ala Val Leu Thr Ala Ala
1 5 10 15

Gly Arg Leu Gly Phe Pro Leu Pro Ser Leu Ile Leu Val Leu Tyr Pro
20 25 30

Pro Phe His Ser Ser Pro Asp Ser Leu Ser Ser Ser Leu Tyr Leu
35 40 45

<210> 3612
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3612
Met Lys Leu Glu Phe Phe Trp Ile Phe Leu Val Ile Cys Trp Cys Val
1 5 10 15

Leu Ser Ser Asp Thr
20

<210> 3613
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3613
Met Cys Leu Cys Cys Phe Leu Leu Lys Asn Cys Gln Arg Ser Gly Glu
1 5 10 15
Gly Asn Asp Arg Ser Arg Lys Ala Pro His His Cys Val Val Arg Gln
20 25 30
Tyr Thr Glu Arg
35

<210> 3614
<211> 54
<212> PRT
<213> Homo sapiens

<400> 3614
Met Lys Val Val Leu Met Leu Leu Phe Ile Cys Leu Gly Asn Met Tyr
1 5 10 15
Leu His Gly Leu Arg Asn Leu Trp Gln Ile Leu Phe His Ile Gly Val
20 25 30
Ala Phe Leu Ser Ser Tyr Gln Ile Leu Thr Arg Gln Leu Gln Glu Lys
35 40 45
Gln Ser Asp Cys Gly Val
50

<210> 3615
<211> 116
<212> PRT
<213> Homo sapiens

<400> 3615
Met Val Arg Gly Pro Ile Cys Tyr Ser Phe Pro Pro Ala Pro Leu Phe
1 5 10 15

Gln Phe Trp Leu Leu Leu Val Ser Leu Arg Tyr Leu Gln Pro Pro Trp
20 25 30

Leu Gly Asn His Arg Ser Ala Gln Leu Ser Pro Trp Ser Pro Val Ser
35 40 45

Gln Ser Leu Val Leu Pro Gly Pro Pro His Pro His Pro Gln Glu Pro
50 55 60

Gln Pro Phe Leu Arg Gly Phe Gln Lys Asp Ser Leu Trp Arg Leu Phe
65 70 75 80

Leu Leu Thr Phe Glu Ser Ser Pro Phe Gln Phe Ser Phe Thr Arg Ser
85 90 95

Asn Cys Thr Gln Ala Val Leu Lys Ile Gly Asn Ala Phe Ile Tyr Thr
100 105 110

Lys Pro Phe Pro
115

<210> 3616
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3616
Met Arg Leu Phe Leu Cys Leu Trp Ser Asn Pro Ala Trp Gly Lys Val
1 5 10 15

Ser Ile Ser Asp Thr Ile Asp Val Phe Tyr Ser Ala Leu Asn Phe Ile
20 25 30

<210> 3617
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3617
Met His Asn Leu Met Leu Ile Leu Ile Ser Leu Phe Ile Leu Gln Ile
1 5 10 15

Ser Lys Asp Lys Gly Ile Phe Cys Phe Val Leu Ile Leu Ala Arg Leu
20 25 30

Arg Gly Thr Arg His Ser Tyr Thr Leu Leu Gly Met Asn Arg
35 40 45

<210> 3618
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3618
Met Ser Leu Gly Glu Thr Leu Leu Ile Thr Thr Tyr Val Pro Val Phe
1 5 10 15
Leu Leu Leu Gly Val Pro Gly Cys Arg Pro Pro Leu Gly Lys Ala Val
20 25 30
Thr Gly Arg Cys Ser Ser Thr Phe Leu Asp
35 40

<210> 3619
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3619
Met Glu Arg Ala Leu Phe Ser Val Pro His Leu Leu Val Val Leu Asp
1 5 10 15
Phe Thr Thr Cys Ala Cys Ile Ala Tyr Thr Asn Lys Asp Thr Asn Leu
20 25 30
Lys Lys Lys Lys
35

<210> 3620
<211> 51
<212> PRT
<213> Homo sapiens

<400> 3620
Met Ala Leu Phe Leu Leu His Ile His Cys Leu Phe Met Ser Ile Pro
1 5 10 15
Phe Pro Ser Ala Lys Gln Thr Gly Gly Lys Thr Glu Thr Gly Ser Phe
20 25 30
Arg Asp Gly Gln Arg Thr Leu Phe Trp Ile Val Asp Val Asp Phe Phe
35 40 45
Val His Lys
50

<210> 3621
<211> 106
<212> PRT
<213> Homo sapiens

<400> 3621

Met Leu Phe Thr Leu Leu Val Ser Cys Tyr Val Phe Leu Pro Leu Ala
1 5 10 15

Leu Pro Cys Phe Ala Phe Phe Ser Phe Trp Pro Ile Pro Phe Tyr
20 25 30

Met Cys Pro Gln Gln Arg Trp Gly Asp Thr Glu His Pro Gly Ser Phe
35 40 45

Pro Ala Leu Leu Gly Arg Pro Arg Leu Gln Ala Pro Ala Val Glu Thr
50 55 60

Leu Lys Gly Asn Lys Gln Pro Ser Thr Leu Pro Asp Pro Arg Leu Phe
65 70 75 80

Arg Glu Ala Ala His Phe His Pro Gly Pro Arg Thr Pro Ser Leu Cys
85 90 95

Pro Thr Arg Ile Ser Leu Asn Gly Arg Asp
100 105

<210> 3622

<211> 36

<212> PRT

<213> Homo sapiens

<400> 3622

Met Thr Phe Val Cys Lys Trp Leu Leu Gly Leu Glu Met Ala Trp Phe
1 5 10 15

Leu Phe Phe Phe Phe Leu Ser Ser Ser Arg Trp Glu Gly Gly
20 25 30

Leu Arg Val Leu
35

<210> 3623

<211> 18

<212> PRT

<213> Homo sapiens

<400> 3623

Gly Ser Cys Leu Lys Leu Thr Gln Phe Lys Tyr Ser Phe Cys Lys Thr
1 5 10 15

Asp Phe

<210> 3624

<211> 62

<212> PRT

<213> Homo sapiens

<400> 3624

Met Gly Phe Ser Leu Phe Phe Leu Phe Phe Leu Pro Pro Phe Ala Val

1

5

10

15

Phe Pro Asp Leu His Leu Leu Lys Ser Lys Cys Thr Phe Leu Gly Leu
20 25 30

Ser Lys Cys Arg Ser Phe Met Leu Ser Tyr His Thr Pro Thr Glu Cys
35 40 45

Arg Ser His Thr Ala Lys Ala Leu Ala Cys His Ile Val Met
50 55 60

<210> 3625

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3625

Met Val Val Ala Tyr Gly Arg Val Phe Met Leu Tyr Leu Ser Leu Leu
1 5 10 15

Phe Asn Phe Tyr Gln Ile Lys Gly Ser Lys Asn Ile Asn Leu
20 25 30

<210> 3626

<211> 18

<212> PRT

<213> Homo sapiens

<400> 3626

Met Gln Gln Ile Lys Phe Val Val Phe Ala Phe Gln Gly Val Thr Gly
1 5 10 15

Cys Pro

<210> 3627

<211> 54

<212> PRT

<213> Homo sapiens

<400> 3627

Met Leu Ile Gln Met Glu Lys Thr Gly Glu Gly Val Gly Val Thr Val
1 5 10 15

Gln Tyr Phe Leu Ala Leu Gly Leu Leu Ser Gln Phe Leu Ser Leu
20 25 30

Pro Leu Leu Ile Ile Ser Gly Met Leu Ala Val Ile Asn Pro Ile Ser
35 40 45

Met Met Asn Gly Leu Gly
50

<210> 3628
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3628
Met Phe Val Tyr Cys Ile His Phe His Ser
1 5 10

<210> 3629
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3629
Met Gln Ser Ile Lys Arg Thr
1 5

<210> 3630
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3630
Met Leu Val Thr Glu Phe Cys Ile Val Leu Leu Phe Phe Leu Phe Gln
1 5 10 15
Tyr Ile Gln Phe Asp Asp Val Leu Glu Ile Gly Ala Asn Ile Tyr Thr
20 25 30

Pro Leu

<210> 3631
<211> 45
<212> PRT
<213> Homo sapiens

<400> 3631
Met Arg Gly Leu Tyr Phe Cys Leu Gly Val Val Ile Cys Thr His Ala
1 5 10 15
Ile Leu Leu Lys Pro Ser Cys Leu Val Leu Phe Leu Glu Ser Phe Phe
20 25 30
Phe Pro Val Leu Met Tyr Ala Gly Phe Gly Asn Ser Ser
35 40 45

<210> 3632
<211> 2
<212> PRT
<213> Homo sapiens

<400> 3632

Met Gly
1

<210> 3633

<211> 44

<212> PRT

<213> Homo sapiens

<400> 3633

Met Ile Phe His Leu Ser Asn Leu Leu Leu Asp Thr Ile Cys Thr Phe
1 5 10 15

Leu Phe Ser Cys Ser Gln Gly Gly Leu Gln Gly Pro Glu Leu Cys
20 25 30

Tyr Pro Thr Arg Phe Leu Ile Glu Ile Pro Asn His
35 40

<210> 3634

<211> 37

<212> PRT

<213> Homo sapiens

<400> 3634

Met Leu Gly Ile Val Ile Ser Cys Leu Phe Tyr Cys Trp Thr Lys Trp
1 5 10 15

Glu Ala Lys Glu Val Cys Gln Arg Arg Trp Arg Val Arg Arg Tyr His
20 25 30

Leu Ser Lys Ile Ser
35

<210> 3635

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3635

Met Ile Leu Asp Thr Lys Met Trp Val Leu Ser Ile Leu Val Ala Val
1 5 10 15

Gly Val Leu Ile Ala Ser Arg Ala Ser Gln Asp Arg Ala Arg Lys
20 25 30

<210> 3636

<211> 22

<212> PRT

<213> Homo sapiens

<400> 3636

Met Val Phe Ile Phe Ile Ser Thr Cys Gln Leu Cys Ile Ser Lys Thr

1

5

10

15

Ala Gly Phe Ser Lys Glu
20

<210> 3637
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3637
Met Leu Glu Met Leu Leu Arg Leu Leu Arg Ala Ile Trp Ala Asn Val
1 5 10 15

Phe Leu Trp His Phe Tyr Phe Thr Asn Ser Ile Ser Ser Ile
20 25 30

<210> 3638
<211> 756
<212> PRT
<213> Homo sapiens

<400> 3638
Met Ser Ala Leu Phe Leu Leu Val Ile Gly Thr Ala Tyr Leu Glu Ala
1 5 10 15

Gln Gly Ile Trp Glu Pro Phe Arg Arg Arg Leu Ser Phe Glu Ala Ser
20 25 30

Asn Pro Pro Phe Asp Val Gly Arg Pro Phe Asp Leu Arg Arg Ile Val
35 40 45

Gly Ile Ser Ser Glu Gly Asn Leu Asn Thr Leu Ser Cys Asp Pro Gly
50 55 60

His Ser Arg Gly Phe Cys Gly Ala Gly Gly Ser Ser Ser Arg Pro Ser
65 70 75 80

Ala Gly Ser His Lys Gln Cys Gly Pro Ser Val His Pro His Ser Ser
85 90 95

His Ser Asn Arg Asn Ser Ala Asp Val Glu Asn Val Arg Ala Lys Asn
100 105 110

Ser Ser Ser Thr Ser Ser Arg Thr Ser Ala Gln Ala Ala Ser Ser Gln
115 120 125

Ser Ala Asn Lys Thr Ser Pro Leu Val Leu Asp Ser Asn Thr Val Thr
130 135 140

Gln Gly His Thr Ala Gly Arg Lys Ser Lys Gly Ala Lys Gln Ser Gln
145 150 155 160

His Gly Ser Gln His His Ala His Ser Pro Leu Glu Gln His Pro Gln
165 170 175

Pro Pro Leu Pro Pro Val Pro Gln Pro Gln Glu Pro Gln Pro Glu

180 185 190

Arg Leu Ser Pro Ala Pro Leu Ala His Pro Ser His Pro Glu Arg Ala
195 200 205

Ser Ser Ala Arg His Ser Ser Glu Asp Ser Asp Ile Thr Ser Leu Ile
210 215 220

Glu Ala Met Asp Lys Asp Phe Asp His His Asp Ser Pro Ala Leu Glu
225 230 235 240

Val Phe Thr Glu Gln Pro Pro Ser Pro Leu Pro Lys Ser Lys Gly Lys
245 250 255

Gly Lys Pro Leu Gln Arg Lys Val Lys Pro Pro Lys Lys Gln Glu Glu
260 265 270

Lys Glu Lys Lys Gly Lys Gly Lys Pro Gln Glu Asp Glu Leu Lys Asp
275 280 285

Ser Leu Ala Asp Asp Asp Ser Ser Ser Thr Thr Thr Glu Thr Ser Asn
290 295 300

Pro Asp Thr Glu Pro Leu Leu Lys Glu Asp Thr Glu Lys Gln Lys Gly
305 310 315 320

Lys Gln Ala Met Pro Glu Lys His Glu Ser Glu Met Ser Gln Val Lys
325 330 335

Gln Lys Ser Lys Lys Leu Leu Asn Ile Lys Lys Glu Ile Pro Thr Asp
340 345 350

Val Lys Pro Ser Ser Leu Glu Leu Pro Tyr Thr Pro Pro Leu Glu Ser
355 360 365

Lys Gln Arg Arg Asn Leu Pro Ser Lys Ile Pro Leu Pro Thr Ala Met
370 375 380

Thr Ser Gly Ser Lys Ser Arg Asn Ala Gln Lys Thr Lys Gly Thr Ser
385 390 395 400

Lys Leu Val Asp Asn Arg Pro Pro Ala Leu Ala Lys Phe Leu Pro Asn
405 410 415

Ser Gln Glu Leu Gly Asn Thr Ser Ser Ser Glu Gly Glu Lys Asp Ser
420 425 430

Pro Pro Pro Glu Trp Asp Ser Val Pro Val His Lys Pro Gly Ser Ser
435 440 445

Thr Asp Ser Leu Tyr Lys Leu Ser Leu Gln Thr Leu Asn Ala Asp Ile
450 455 460

Phe Leu Lys Gln Arg Gln Thr Ser Pro Thr Pro Ala Ser Pro Ser Pro
465 470 475 480

Pro Ala Ala Pro Cys Pro Phe Val Ala Arg Gly Ser Tyr Ser Ser Ile
485 490 495

Val Asn Ser Ser Ser Ser Asp Pro Lys Ile Lys Gln Pro Asn Gly
500 505 510

Ser Lys His Lys Leu Thr Lys Ala Ala Ser Leu Pro Gly Lys Asn Gly
515 520 525

Asn Pro Thr Phe Ala Ala Val Thr Ala Gly Tyr Asp Lys Ser Pro Gly
530 535 540

Gly Asn Gly Phe Ala Lys Val Ser Ser Asn Lys Thr Gly Phe Ser Ser
545 550 555 560

Ser Leu Gly Ile Ser His Ala Pro Val Asp Ser Asp Gly Ser Asp Ser
565 570 575

Ser Gly Leu Trp Ser Pro Val Ser Asn Pro Ser Ser Pro Asp Phe Thr
580 585 590

Pro Leu Asn Ser Phe Ser Ala Phe Gly Asn Ser Phe Asn Leu Thr Gly
595 600 605

Glu Val Phe Ser Lys Leu Gly Leu Ser Arg Ser Cys Asn Gln Ala Ser
610 615 620

Gln Arg Ser Trp Asn Glu Phe Asn Ser Gly Pro Ser Tyr Leu Trp Glu
625 630 635 640

Ser Pro Ala Thr Asp Pro Ser Pro Ser Trp Pro Ala Ser Ser Gly Ser
645 650 655

Pro Thr His Thr Ala Thr Ser Val Leu Gly Asn Thr Ser Gly Leu Trp
660 665 670

Ser Thr Thr Pro Phe Ser Ser Ser Ile Trp Ser Ser Asn Leu Ser Ser
675 680 685

Ala Leu Pro Phe Thr Thr Pro Ala Asn Thr Leu Ala Ser Ile Gly Leu
690 695 700

Met Gly Thr Glu Asn Ser Pro Ala Pro His Ala Pro Ser Thr Ser Ser
705 710 715 720

Pro Ala Asp Asp Leu Gly Gln Thr Tyr Asn Pro Trp Arg Ile Trp Ser
725 730 735

Pro Thr Ile Gly Arg Arg Ser Ser Asp Pro Trp Ser Asn Ser His Phe
740 745 750

Pro His Glu Asn
755

<210> 3639
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3639
Phe
1

<210> 3640
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3640
Lys Ile Leu Asp Phe His Ser
1 5

<210> 3641
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3641
Ala Pro Ser Ile Ser Thr Gly Ser Pro Ser Ile Ala Asn Leu Phe Leu
1 5 10 15
Thr Gly Leu Leu Gly Pro Glu Val Leu His Leu Lys His Pro Met Leu
20 25 30
Lys Ala Ala
35

<210> 3642
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3642
Met Phe Ala Arg Cys Ser Leu Leu Leu Ile Ser Phe Leu Leu Phe Thr
1 5 10 15
Ala Arg Phe Ser Gln Val Arg Gly His Gln Pro Trp Pro Pro Phe Pro
20 25 30

<210> 3643
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3643
Met Pro Leu Ser Cys Tyr Phe Lys Leu Trp Pro Ser Ile Ala Leu Ser
1 5 10 15

Leu

<210> 3644

<211> 34
<212> PRT
<213> Homo sapiens

<400> 3644
Met Arg Lys Tyr Cys Leu Gly Phe Cys Tyr Ser Val Phe Ile Leu Gly
1 5 10 15

Arg Val Leu Asn Phe Met His Leu His Leu Leu Ala Cys Gly Cys Ala
20 25 30

Lys Cys

<210> 3645
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3645
Lys Thr Ile His Ser Tyr Leu Phe Phe Ser Pro Tyr Cys Leu Ser
1 5 10 15

Gln Leu Thr Leu Tyr Thr Asp Phe Val Ser Pro Ser Ile Pro Phe Thr
20 25 30

Pro Asp Tyr Lys Phe
35

<210> 3646
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3646
Met Lys Gly Phe Phe Leu Ile Val Phe Met Leu Ser Arg Ala Glu Glu
1 5 10 15

Glu Glu Asp Glu Gly Leu Val Leu Leu Ser Cys Gly
20 25

<210> 3647
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3647
Met Ile Arg His Leu Arg Asn Thr Gly Ala Leu Leu Leu Phe Ser Leu
1 5 10 15

Gln Leu Val Trp Ala Asp Lys Arg Glu Ile Glu Pro Ser His Ser
20 25 30

<210> 3648
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3648
Ile
1

<210> 3649
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3649
Met Arg Gly Ser Ser Gln Leu Cys Leu Val Leu Leu Leu Pro Ala Ala
1 5 10 15

Leu

<210> 3650
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3650
Met Trp Gly Arg Ser Phe Leu Gln Leu
1 5

<210> 3651
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3651
Gly His Thr Glu Gly Ile Ala Val Val Ser His Phe Gly Phe Leu Leu
1 5 10 15

<210> 3652
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3652
Met Asp Leu Phe Gly Phe Arg Ala Leu Leu Ser Phe His Trp Asn Val
1 5 10 15
Leu Phe Ala Leu Ala Leu Phe Phe Phe Phe Trp Phe Leu Leu Ala
20 25 30

Phe Ile

<210> 3653
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3653
Met Thr Arg Arg His Ile Val Leu Leu Arg Glu Phe Trp His Trp Glu
1 5 10 15

Arg Cys Arg Leu Ser Arg Met Thr Ala Ile Pro Thr Pro Gln Ser Val
20 25 30

Leu Arg Asp Cys Gly Glu Gly Ala Ser Gly Thr Gly Lys Val
35 40 45

<210> 3654
<211> 126
<212> PRT
<213> Homo sapiens

<400> 3654
Met Val Ala Gly Leu Ile Pro Ala Pro Ala Leu Val Pro Val Phe Cys
1 5 10 15

Trp Phe Val Ser Leu Phe Ser Pro His Glu Leu Phe Leu Gln Leu Phe
20 25 30

Phe Lys Met Arg Leu Ser Gly Ser Val Ser Pro Met Arg Ala Gly Ala
35 40 45

Thr Cys Gly Ile Ser Trp Thr Arg Pro Arg Gly Cys Arg Gly Gln Pro
50 55 60

Gly Arg Glu Glu Arg Glu Lys Pro Gly Gln Arg Trp Gly Gly Ser
65 70 75 80

Ser Pro Glu Ser Pro Arg Leu Gly Gln Ser Gly Arg Gln Pro Glu Ala
85 90 95

Arg Gly Leu Gly Glu Glu Ser Leu Val Asp Gly Arg Glu Arg Gly Ala
100 105 110

Leu Leu Tyr Ala Pro Gly Ala Leu Cys Arg Arg Ala Ala Gly
115 120 125

<210> 3655
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3655

Met Ala Leu Ile Leu Ile Val Phe Lys Tyr Gln Ser Phe Phe Arg Leu
1 5 10 15

His Ser Cys Asn Gln Gln Pro His Ala Lys Val Leu Glu Pro Ala Val
20 25 30

Glu Leu Gln Asp Glu Asp Gly Met Val His Leu Ser Thr Val Ile Ser
35 40 45

Tyr Asn Leu Lys Asn Arg Gln Ala Gly Asn Val Tyr Ile Glu Ser Tyr
50 55 60

Ile Pro
65

<210> 3656
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3656
Asp Gln Arg Gln Trp Leu Gly Val Met Cys Glu Leu Ser Leu Leu
1 5 10 15

Arg Met Leu Phe Cys Glu Arg Asn Cys Glu Cys Asn Gly Asn Val Gly
20 25 30

Ala Ser Gly Asp Ser Leu Ser Cys Pro Leu Thr Ser Lys Ala Ser Cys
35 40 45

Ala

<210> 3657
<211> 69
<212> PRT
<213> Homo sapiens

<400> 3657
Met Gly Ala Trp Gly Arg Gly Trp Pro Trp Glu Glu Arg Gln Gly His
1 5 10 15

His Leu Leu Leu Leu Leu Pro Ala Pro Thr Leu Lys Gly Leu Gly
20 25 30

Ala Ala Gln Leu Pro Leu Cys Pro Ser Gly Gly Leu Ser Pro Leu Leu
35 40 45

Thr Leu Leu Gln Ser Arg Glu Thr Leu Asn Lys Ala Ile Arg Val Cys
50 55 60

Gln Lys Lys Lys Lys
65

<210> 3658

<211> 38
<212> PRT
<213> Homo sapiens

<400> 3658
Met Ser Ile Phe Ser Val Leu Ile Phe Phe Pro Ser His Cys Tyr Ser
1 5 10 15

Leu Pro Ser Arg Val Arg Cys Gly Glu Ile Met Leu Ala Cys Phe His
20 25 30

Gly Asp Thr Glu Glu Lys
35

<210> 3659
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3659
Met Ala Cys Ile Pro Ser Gly Leu Leu Ile Trp Ala Trp Asn Leu Trp
1 5 10 15

Phe Arg Ala

<210> 3660
<211> 84
<212> PRT
<213> Homo sapiens

<400> 3660
Met Arg Val Ala Val Gly Gln Ala Leu Gln Ile Met Val Ile Ala Trp
1 5 10 15

Cys Thr Gly Leu Ser Leu Val Ala Glu Ala Leu Leu Cys Lys Gly Lys
20 25 30

Ser Arg Ala Thr Val Thr Gly Glu Ala Gln Arg Pro Gln Pro His Thr
35 40 45

Gly Leu Leu Cys Arg Leu Pro Leu Asp Leu Arg Val Leu His Leu Trp
50 55 60

Lys Thr Val Trp Arg Ala Val Leu Trp Pro Gly Gly Arg Arg Thr Gln
65 70 75 80

Leu Ala Gly Ser

<210> 3661
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3661
Met Cys Tyr Phe Leu Val Ile Ser Ile Ile Leu Cys Ile Phe Arg Leu
1 5 10 15

Phe Asn Ser Gln Met Tyr Met Ile Leu Pro Cys Phe Leu Lys Lys Asn
20 25 30

Leu Ser Ile Met
35

<210> 3662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3662
Met Lys Ala Val Trp Tyr Leu Ala Ser Ser Phe Leu Ile Phe Leu Val
1 5 10 15

Val Gln Lys Arg
20

<210> 3663
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3663
Met Ile Arg Thr Val Ile Phe Ser Thr Leu Phe Leu Tyr Ser Val Pro
1 5 10 15

Gly Met Thr Tyr Ser Ile Asp Phe Met Thr His
20 25

<210> 3664
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3664
Thr Phe Leu Phe Leu Phe Trp Tyr Cys Lys Leu Ala Gly Trp Leu His
1 5 10 15

Trp Leu Thr His Tyr Pro Leu His His Ile Leu Phe Phe Thr Tyr Tyr
20 25 30

<210> 3665
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3665
Met Tyr Ile Ile Ile Ser Leu Thr Leu Ile Met Trp Arg Phe Arg Phe
1 5 10 15
Phe Gln Leu Met Arg Leu Gln Pro Cys Leu Cys Leu Lys Lys Met Lys
20 25 30
Lys Gln Asn Lys Thr Met Ser
35

<210> 3666
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3666
Met Gly Leu Ser Gly Pro Gly Gly Ser Gln His Ser Leu His Phe Leu
1 5 10 15
Thr Ser Ser Ser Phe Leu Ile Phe Phe Ser Phe Phe Ser Ile Glu Thr
20 25 30
Gly Ala Glu Ala
35

<210> 3667
<211> 77
<212> PRT
<213> Homo sapiens

<400> 3667
Met Glu Lys Gly Asp Pro Asp Pro Lys Pro Ala Leu Pro Ser Leu Trp
1 5 10 15
Cys Trp Gly Gly Pro Val Cys Leu Cys Asn Cys Val Cys Met Leu Val
20 25 30
Phe Val Cys Ile Ser Val Phe Gln Val Tyr Val Ser Pro Cys Ala Pro
35 40 45
Ala Pro Gln Leu Ser Thr Pro Gly Cys Leu Ser Pro Val Gly Leu Cys
50 55 60
Leu Leu Gly Ile Lys Gln Gly Phe Leu Leu Gln Gly Met
65 70 75

<210> 3668
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3668
Met Ser Pro Phe Phe Leu Thr Val Leu Lys His Tyr Phe Ala Phe Leu
1 5 10 15

Phe Val Thr Lys Ser Phe Ile Phe Asn Gly
20 25

<210> 3669
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3669
Met Leu Lys Ser Asp Ala Val Lys Ala Ile
1 5 10

<210> 3670
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3670
Met Tyr Tyr Val Gln Lys Thr Asn Pro Leu Val Ile Ala Met Gly Thr
1 5 10 15
Val Ser Ile Asn Phe Phe Phe Tyr Lys Xaa Arg Lys Val Tyr
20 25 30

<210> 3671
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3671
Met Tyr Ile Cys Leu Ile Ile Leu Leu Ser Thr Val Phe Cys Gly Pro
1 5 10 15
Asp Ser Ala Phe Leu Cys Phe Phe Gly Phe Arg Leu Leu Val Ala Cys
20 25 30
Asp Phe Ser Asp Phe Trp Pro
35

<210> 3672
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3672
Met Arg Leu Val Ser Tyr Ile Val Phe Leu Asp Gly Phe Leu Leu
1 5 10 15

Ile Leu Lys Tyr Leu Asn Phe Cys Val Thr Gln Val Ser Tyr Thr Ser
20 25 30

Phe Trp Cys Leu Gly Gln Ile Tyr Gly Lys
35 40

<210> 3673
<211> 80
<212> PRT
<213> Homo sapiens

<400> 3673
Ile Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Leu
1 5 10 15

Arg Leu Leu Leu Ser Trp Pro Gly Ala Ala Gly Thr Thr Ala Cys Val
20 25 30

Cys Ala Asp Thr Val Tyr Tyr Gln Met Val Pro Ser Trp Lys Phe
35 40 45

Arg Ser Pro Pro Thr Trp Ile Ser Leu Leu Gly Pro Phe Ser Gly Ser
50 55 60

Phe Asn Val Asp Asn Asp Ser Gly Met Trp Leu Tyr Leu Leu Tyr
65 70 75 80

<210> 3674
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3674
Met Leu Ile Phe Gln Ile Ile Ser Gln Gln Leu Pro Tyr Leu Leu Leu
1 5 10 15

Ala Ile Thr Thr Gly Ser Gln Glu Ser Arg Tyr Phe Tyr Ser Cys Trp
20 25 30

Thr Asn Glu Lys Lys
35

<210> 3675
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3675
Met Thr Pro Cys Thr Leu Ser Phe Pro Val Phe Leu Ile Tyr Ile Ile
1 5 10 15

Ser Lys Tyr Leu Trp Leu Leu Ser Ser Cys Ser Pro Glu Pro
20 25 30

<210> 3676
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3676
Met Thr Cys Ala Arg Ser Pro Leu Ala Leu Pro Thr Pro Leu Phe Phe
1 5 10 15

Phe Leu Leu Ile Leu Tyr Ser Gln Lys Arg Ile Ser Phe Ser Ser Phe
20 25 30

Phe His Ser Leu Lys Phe
35

<210> 3677
<211> 5
<212> PRT
<213> Homo sapiens

<400> 3677
Gly Lys Cys Ala Cys
1 5

<210> 3678
<211> 77
<212> PRT
<213> Homo sapiens

<400> 3678
Met Gln Lys Gln Leu Tyr Phe Arg Ala Trp Cys Tyr Leu Leu Ala Asn
1 5 10 15

Phe Leu Phe Phe Asp Leu Thr Ala Thr Phe Asp Ser Thr Ser Leu
20 25 30

Lys Thr Ser Ala Arg Ser Arg Gln Tyr Thr Leu Thr Thr Leu Val Leu
35 40 45

Thr Ala Phe Pro Ile Ala Ser Leu Pro Phe Lys Leu Leu Leu Val Ser
50 55 60

Val Leu Pro Ser Asp Trp Ser Lys His Asn Lys Gly Leu
65 70 75

<210> 3679
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3679
Met Arg Pro Tyr Gln Arg Lys Asn Arg Thr Leu Ala Phe Phe Leu Arg
1 5 10 15

Phe Leu Ile Met Phe Leu Val Phe Cys Glu Ser Leu
20 25

<210> 3680
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3680
Met Ala Thr Ile Leu Ile Leu Ser Met His Leu His Leu Leu Gln Ala
1 5 10 15

Ser Ser Lys Gly Leu Cys Phe Cys Thr Leu Pro Ser Thr Phe Leu Tyr
20 25 30

Asp Phe

<210> 3681
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3681
Met Thr Leu Pro Ser Trp Phe Ser Cys Tyr Leu Ser Asp Cys Pro Leu
1 5 10 15

Arg Gly Pro Leu Ser Pro Pro Val Leu Ser Phe Leu Val Ser Leu Lys
20 25 30

Gly Leu Val Met Gly Leu Arg Pro Ser Lys Tyr Ala Pro Gly Phe Asn
35 40 45

Tyr His Leu Tyr Ala Ala Glu Ser Lys Ser Ile Gln Leu Val Leu Asn
50 55 60

Cys Thr
65

<210> 3682
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3682
Met Val Val Met Glu Ala Gly Gly Ile Met Pro Cys Trp Phe Gln Cys
1 5 10 15

Trp Asp Trp Leu Leu Phe Val Gly Phe Gly Leu Gly Ser Pro Arg Lys
20 25 30

Lys

<210> 3683
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3683
Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala
1 5 10 15
Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe
20 25 30
Val Ser

<210> 3684
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3684
Met Gln Leu Ala Val Phe Ala Phe Ser Thr Leu Trp Leu Trp Leu Leu
1 5 10 15
Ala Met Pro Arg Leu Ser Val Gly Met Pro Tyr Gly Ser
20 25

<210> 3685
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3685
Met Arg Trp Leu Leu Leu Val Phe Asn Gln Ile Arg Phe Thr Val Ile
1 5 10 15
Ser Leu Ile Cys Ile Tyr Tyr Leu Phe Ala Ile Ile Leu Tyr Arg Ile
20 25 30
Phe Trp Ile His Val Leu Ala
35

<210> 3686
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3686
Met Ala Phe Phe Lys Val Ser Tyr His Phe Leu Ile Ala Leu Leu Thr
1 5 10 15

Tyr Asn Trp Thr Gln Pro Thr Leu Ser Ala Ser Val Asn Ser
20 25 30

<210> 3687
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3687
Met Ala Arg Ala Asp Trp Val Leu Ser Leu Leu Tyr Asn His Ile
1 5 10 15

Thr Ala Leu Pro Cys Ile Phe Ser Ser Lys Asn Gly Asp Tyr Leu Leu
20 25 30

Cys Gly Ser Val Cys Arg
35

<210> 3688
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3688
Met Phe Ile Ile Lys Ile
1 5

<210> 3689
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3689
His Cys Leu His Gln Lys Gln Phe Leu Phe Phe Phe Leu Ile Leu Leu
1 5 10 15

Leu Leu Tyr Leu Lys Phe
20

<210> 3690
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3690
Pro Arg Thr Pro Cys Asn Val Gly Arg Pro Ala Leu Ser Ser Met Ala
1 5 10 15

Leu Thr Ser Cys Ser Gly Arg Thr Ser Ser Pro Gly
20 25

<210> 3691
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3691
Met Gly Ser Ser Arg Gly Arg Glu Ala Ser Trp Gly Leu Pro Leu Gly
1 5 10 15

<210> 3692
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3692
Phe Arg Phe Leu Phe Ser Phe Phe His Glu Ala Leu Trp Arg Ser Met
1 5 10 15

Phe Leu Leu Ser Phe Leu Arg Lys Pro Ser Phe Trp Ala Thr Gly Leu
20 25 30

Ile Leu Ser Thr Ser Ser Phe Pro Pro Phe Ser Ile Val Ser Leu Pro
35 40 45

Pro Ser His Pro Thr Pro Cys Pro Ser Leu Pro Gln Leu Pro Leu Phe
50 55 60

Pro Cys Ser Glu Phe Pro Ala Gln Arg His
65 70

<210> 3693
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3693
Met Cys Leu Phe Leu Phe Cys Leu Phe Tyr Phe Tyr Phe Ser Val Asn
1 5 10 15

Ala Arg Thr Asp Leu His Val Lys Ser Gly Leu
20 25

<210> 3694
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3694
Gly His Pro Lys Cys Lys Leu Leu Ser Asp Pro Cys Leu Leu Met
1 5 10 15

Tyr Ser Leu Phe Asn Cys Val Glu Phe
20 25

<210> 3695
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3695
Met Ala Cys Val Ile Leu Gly Phe Cys Val Phe Trp Trp Val Ser Phe
1 5 10 15

Leu Gly Ser Pro Asp Leu Leu Leu Gly Pro Val Leu Ser Ala Asn Pro
20 25 30

Ala Ser Phe Thr Cys Pro Ala His
35 40

<210> 3696
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3696
Met Trp Val Arg Glu Gly Ile Trp Phe Cys Tyr Leu Ala Val Val Phe
1 5 10 15

Ser His Pro Ser Phe Leu Thr Ile Lys Ser His Leu Gly Leu Glu Lys
20 25 30

Lys Lys Lys Lys
35

<210> 3697
<211> 433
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (298)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3697
Met Ala Thr Leu Phe Thr Ile Trp Cys Thr Leu Cys Asp Arg Ala Tyr
1 5 10 15

Pro Ser Asp Cys Pro Glu His Gly Pro Val Thr Phe Val Pro Asp Thr
20 25 30

Pro Ile Glu Ser Arg Ala Arg Leu Ser Leu Pro Lys Gln Leu Val Leu
35 40 45

Arg Gln Ser Ile Val Gly Ala Glu Val Gly Val Trp Thr Gly Glu Thr
50 55 60

Ile Pro Val Arg Thr Cys Phe Gly Pro Leu Ile Gly Gln Gln Ser His
65 70 75 80

Ser Met Glu Val Ala Glu Trp Thr Asp Lys Ala Val Asn His Ile Trp
85 90 95

Lys Ile Tyr His Asn Gly Val Leu Glu Phe Cys Ile Ile Thr Thr Asp
100 105 110

Glu Asn Glu Cys Asn Trp Met Met Phe Val Arg Lys Ala Arg Asn Arg
115 120 125

Glu Glu Gln Asn Leu Val Ala Tyr Pro His Asp Gly Lys Ile Phe Phe
130 135 140

Cys Thr Ser Gln Asp Ile Pro Pro Glu Asn Glu Leu Leu Phe Tyr Tyr
145 150 155 160

Ser Arg Asp Tyr Ala Gln Gln Ile Gly Val Pro Glu His Pro Asp Val
165 170 175

His Leu Cys Asn Cys Gly Lys Glu Cys Asn Ser Tyr Thr Glu Phe Lys
180 185 190

Ala His Leu Thr Ser His Ile His Asn His Leu Pro Thr Gln Gly His
195 200 205

Ser Gly Ser His Gly Pro Ser His Ser Lys Glu Arg Lys Trp Lys Cys
210 215 220

Ser Met Cys Pro Gln Ala Phe Ile Ser Pro Ser Lys Leu His Val His
225 230 235 240

Phe Met Gly His Met Gly Met Lys Pro His Lys Cys Asp Phe Cys Ser
245 250 255

Lys Ala Phe Ser Asp Pro Ser Asn Leu Arg Thr His Leu Lys Ile His
260 265 270

Thr Gly Gln Lys Asn Tyr Arg Cys Thr Leu Cys Asp Lys Ser Phe Thr
275 280 285

Gln Lys Ala His Leu Glu Ser His Met Xaa Ile His Thr Gly Glu Lys
290 295 300

Asn Leu Lys Cys Asp Tyr Cys Asp Lys Leu Phe Met Arg Arg Gln Asp
305 310 315 320

Leu Lys Gln His Val Leu Ile His Thr Gln Glu Arg Gln Ile Lys Cys
325 330 335

Pro Lys Cys Asp Lys Leu Phe Leu Arg Thr Asn His Leu Lys Lys His
340 345 350

Leu Asn Ser His Glu Gly Lys Arg Asp Tyr Val Cys Glu Lys Cys Thr
355 360 365

Lys Ala Tyr Leu Thr Lys Tyr His Leu Thr Arg His Leu Lys Thr Cys
370 375 380

Lys Gly Pro Thr Ser Ser Ser Ala Pro Glu Glu Glu Glu Asp
385 390 395 400

Asp Ser Glu Glu Glu Asp Leu Ala Asp Ser Val Gly Thr Glu Asp Cys
405 410 415

Arg Ile Asn Ser Ala Val Tyr Ser Ala Asp Glu Ser Leu Ser Ala His
420 425 430

Lys

<210> 3698

<211> 38

<212> PRT

<213> Homo sapiens

<400> 3698

Met Gly Ser Pro Met Thr Trp Ser Cys Arg Ser Leu Ser Ser Leu Trp
1 5 10 15

Trp Pro Pro Val Ser Ser Ala Arg His Arg Arg Cys Ser Arg Arg Gly
20 25 30

Asp Pro Gly Thr Arg Gly

35

<210> 3699

<211> 39

<212> PRT

<213> Homo sapiens

<400> 3699

Met Val Met Phe Leu Ser Leu Ser Leu Trp Ile Asn Pro Val Ile Gly
1 5 10 15

Lys Asp Met Thr Ile Trp Arg Trp Asn Thr Tyr Arg Lys Asp Gln Ile
20 25 30

Ser Tyr Leu Leu Phe Phe His

35

<210> 3700

<211> 28

<212> PRT

<213> Homo sapiens

<400> 3700

Met Ile Gly Leu Thr Phe Ala Ser Thr Ser Asp Phe Ala Leu Leu Ser
1 5 10 15

Lys Phe Asn Thr Phe Gln Leu Leu Met Cys Val Leu
20 25

<210> 3701
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3701
Met Gly Lys Gly Ile Ala Val Leu Ala Leu Trp Tyr Ala Ala Thr Ser
1 5 10 15
Leu Gly Ser Arg Pro Cys Pro Cys Pro Thr Thr His Ser Gln Leu
20 25 30

<210> 3702
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3702
Met Leu Leu Phe Leu Ile Val Thr Leu Leu Met Asn Val Arg Ser Leu
1 5 10 15

Gly

<210> 3703
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3703
Met Phe Leu Leu Phe Pro Gln Thr Ser Leu Thr Val Leu Phe Val Ser
1 5 10 15
Cys Pro Val Glu Gly Ser Arg Val His Ile Leu Leu Ser Val Asn Met
20 25 30
Pro Trp Asn Leu His Lys Gly Arg Thr Met Cys Ser Phe Phe Gln Gln
35 40 45

Leu Phe
50

<210> 3704
<211> 65
<212> PRT
<213> Homo sapiens

<400> 3704
Met His Arg Leu Ala Leu Trp Leu Leu Gly Leu Trp Gly Val Met Trp
1 5 10 15
Ser His Thr Ser Ala Leu Leu Ala Leu Val Lys Leu Trp Lys Gly Arg
20 25 30

Leu Gly Lys Ala Gly Thr Arg Lys Lys Arg Lys Arg Gln Gln Gln Glu
35 40 45

Ser Met Gln Val Gly Lys Asn Leu Val Trp Arg Ala Gln Gln Arg Lys
50 55 60

Arg
65

<210> 3705
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3705
Met Glu Arg Val Gly Arg Asn Leu Thr Ala Leu Arg Phe Leu Leu Phe
1 5 10 15

Val Leu Ile Leu Arg Leu Leu Lys Ile Ile Phe Ile Cys Ser Val Tyr
20 25 30

Tyr Glu

<210> 3706
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3706
Met Cys Glu Ser Thr Glu Leu Asn Met Thr Phe His Leu Phe Ile Val
1 5 10 15

Ala Leu Ala Gly Ala Gly Ala Arg Asn Ser Asp Arg Asn Thr Thr Arg
20 25 30

Val Asn Gly Ser Gln Pro Cys Ser Asp Pro Gln
35 40

<210> 3707
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3707
Met Thr Gln Lys Asp Gly Ile Cys Lys Asp Gln Leu Leu Phe Ala Leu
1 5 10 15

Leu Ile Val Cys Asn Ala Val Tyr Ser Asn Thr Trp Ser Phe Ser Ser
20 25 30

Gly Ser Gly Met Trp Ile Asn Leu Thr Asn Gln Asp Pro Ser Leu Asn
35 40 45

Val Asn Thr Thr Asn Tyr Thr

50

55

<210> 3708
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3708
Met Asn Cys Lys Lys Gln Leu Leu Thr Asp Ile Phe Leu Leu Leu Phe
1 5 10 15
Leu Gly Gly Phe Phe Phe Phe
20

<210> 3709
<211> 53
<212> PRT
<213> Homo sapiens

<400> 3709
Met Arg Phe Leu Ala His Val Leu Cys Ser Phe Ser Val Val Phe Leu
1 5 10 15
His Leu Lys Asn Ser His Gly Ser Met Phe Tyr Lys Met Asn Tyr Gln
20 25 30
Arg Asn Arg Asp Gly Pro Arg Phe Ser Glu Met Val Pro Cys Asp Gln
35 40 45
Val Leu Leu Phe Gly
50

<210> 3710
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3710
Met Asp Leu Phe Cys Ser Phe Leu Pro Ser Leu Ala Ile Met Phe
1 5 10 15
Leu Cys Pro Pro Val Leu His Phe Met Gly Tyr His Val Gln Gln Gln
20 25 30
Leu Arg Arg
35

<210> 3711
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3711

Met Ser His Cys Val Trp Ser Leu Ala Val Ser
1 5 10

<210> 3712
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3712
Met Pro Glu Trp Trp Gly Gln Met Leu Trp Thr Leu Gly Pro Ala Ala
1 5 10 15
Leu Pro Leu Leu Ala Gly Arg Cys Thr Arg Glu Val
20 25

<210> 3713
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3713
Met Phe Gly Asn Ser Ser Cys Ser Thr Tyr Leu Leu Trp Val Ser Leu
1 5 10 15
Phe Asn Phe Gly His Ser Ser Glu Cys Ile Met Ile Ser Cys Tyr Gly
20 25 30
Phe Lys Phe Ala Phe Ser
35

<210> 3714
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3714
Met Cys Cys Pro Ser Leu Leu Lys Phe Tyr Phe Arg Phe Ser Ile Gly
1 5 10 15
Tyr Leu Phe Cys Phe Leu Tyr Phe Ser Leu Ser Leu Pro Pro Ser
20 25 30
Arg Pro Pro Arg Pro Ile Pro Phe Leu Pro Leu Asp Phe His Pro Leu
35 40 45
Gly Cys Leu Ala His Leu Tyr Ala Pro Ala Leu Gly Thr Gly Pro Asn
50 55 60
Thr Trp
65

<210> 3715
<211> 36

<212> PRT
<213> Homo sapiens

<400> 3715
Met Phe Cys His Cys Ile Val Cys Leu Leu Leu Val Trp Ser Ser
1 5 10 15
Leu Pro Phe Phe Ile Pro Ser Phe Leu Leu Leu Lys Val Ile Leu Ser
20 25 30
Cys Gly Met Ile
35

<210> 3716
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3716
Met Met Thr Leu Gly Leu Ser Leu Phe Leu Phe Phe Cys Phe Val Gly
1 5 10 15
Cys Glu Phe Glu Arg Phe Cys Asp Lys
20 25

<210> 3717
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3717
Met Asp Phe Thr Lys Leu Leu Thr Tyr Thr Phe Gly Phe Ala Val Phe
1 5 10 15
Ile Val Leu Gly Lys Asn Cys Gly Phe Lys Asn Tyr Ser Leu Ile Lys
20 25 30
Leu Leu Lys Lys Lys Lys
35

<210> 3718
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3718
Met Phe Ile Gly Asp Ser Ala Tyr Ile Phe Ile Thr Tyr Leu Leu Phe
1 5 10 15
Trp Leu Leu Ser Asn Ile Leu Ser Phe Val Phe Ala Asn Ser Val His
20 25 30
Glu

<210> 3719
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3719
Met Leu Lys Ile Leu Met Cys Lys Ser Pro Leu Ser Pro His Leu Phe
1 5 10 15
Tyr Lys Leu Leu Trp Leu Glu Gly Phe Cys Phe Trp Leu Leu Ser Gly
20 25 30

<210> 3720
<211> 406
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (254)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3720
Met Ile Arg Ile Ala Ala Leu Asn Ala Ser Ser Thr Ile Glu Asp Asp
1 5 10 15

His Glu Gly Ser Phe Lys Ser His Lys Thr Gln Thr Lys Glu Ala Gln
20 25 30

Glu Ala Glu Ala Phe Ala Leu Tyr His Lys Ala Leu Asp Leu Gln Lys
35 40 45

His Asp Arg Phe Glu Glu Ser Ala Lys Ala Tyr His Glu Leu Leu Glu
50 55 60

Ala Ser Leu Leu Arg Glu Ala Val Ser Ser Gly Asp Glu Lys Glu Gly
65 70 75 80

Leu Lys His Pro Gly Leu Ile Leu Lys Tyr Ser Thr Tyr Lys Asn Leu
85 90 95

Ala Gln Leu Ala Ala Gln Arg Glu Asp Leu Glu Thr Ala Met Glu Phe
100 105 110

Tyr Leu Glu Ala Val Met Leu Asp Ser Thr Asp Val Asn Leu Trp Tyr
115 120 125

Lys Ile Gly His Val Ala Leu Arg Leu Ile Arg Ile Pro Leu Ala Arg
130 135 140

His Ala Phe Glu Glu Gly Leu Arg Cys Asn Pro Asp His Trp Pro Cys
145 150 155 160

Leu Asp Asn Leu Ile Thr Val Leu Tyr Thr Leu Ser Asp Tyr Thr Thr

165

170

175

Cys Leu Tyr Phe Ile Cys Lys Ala Leu Glu Lys Asp Cys Arg Tyr Ser
 180 185 190

Lys Gly Leu Val Leu Lys Glu Lys Ile Phe Glu Glu Gln Pro Cys Leu
 195 200 205

Arg Lys Asp Ser Leu Arg Met Phe Leu Lys Cys Asp Met Ser Ile His
 210 215 220

Asp Val Ser Val Ser Ala Ala Glu Thr Gln Ala Ile Val Asp Glu Ala
 225 230 235 240

Leu Gly Leu Arg Lys Lys Arg Gln Ala Leu Ile Val Arg Xaa Lys Glu
 245 250 255

Pro Asp Leu Lys Leu Val Gln Pro Ile Pro Phe Phe Thr Trp Lys Cys
 260 265 270

Leu Gly Glu Ser Leu Leu Ala Met Tyr Asn His Leu Thr Thr Cys Glu
 275 280 285

Pro Pro Arg Pro Ser Leu Gly Lys Arg Ile Asp Leu Ser Asp Tyr Gln
 290 295 300

Asp Pro Ser Gln Pro Leu Glu Ser Ser Met Val Val Thr Pro Val Asn
 305 310 315 320

Val Ile Gln Pro Ser Thr Val Ser Thr Asn Pro Ala Val Ala Val Ala
 325 330 335

Glu Pro Val Val Ser Tyr Thr Ser Val Ala Thr Thr Ser Phe Pro Leu
 340 345 350

His Ser Pro Gly Leu Leu Glu Thr Gly Ala Pro Val Gly Asp Ile Ser
 355 360 365

Gly Gly Asp Lys Ser Lys Lys Gly Val Lys Arg Lys Lys Ile Ser Glu
 370 375 380

Glu Ser Gly Glu Thr Ala Lys Arg Arg Ser Ala Arg Val Arg Asn Thr
 385 390 395 400

Lys Cys Lys Lys Lys Lys
 405

<210> 3721

<211> 58

<212> PRT

<213> Homo sapiens

<400> 3721

Met Pro Phe Cys Met Asn Ala Cys Glu Met Leu Leu Leu Cys Met
 1 5 10 15

Ala Trp Leu Pro Trp Leu Ala Gly Ile Ser Ser Phe Val Val Phe Leu
 20 25 30

Ser Ser Leu Cys Ile Thr Val Ser Phe Val Phe Leu Ala Cys Lys Leu
35 40 45

Leu Glu Asp Lys Gly Met Ser Glu Ser Ile
50 55

<210> 3722
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3722
Asn Ile Leu Phe Val Leu Ile Asp Ser Ile Leu Gly Ser Ser
1 5 10

<210> 3723
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3723
Met Val Trp Ile Cys Val Leu Leu Gln Thr Leu Leu Arg His Ile Leu
1 5 10 15

Arg Ser Met Glu Arg Asn Arg Val Asp Asp Lys Val Cys Val Val Phe
20 25 30

Thr Lys Glu Tyr Ser
35

<210> 3724
<211> 410
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (404)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (409)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3724
Gly Arg Leu Arg Asn Gly Ile Xaa Gly Ala Ala Gly Ile Pro Arg Ala
1 5 10 15

Asn Ala Ser Arg Thr Asn Phe Ser Ser His Thr Asn Gln Ser Gly Gly

20

25

30

Ser Glu Leu Arg Gln Arg Glu Gly Gln Arg Phe Gly Ala Ala His Val
 35 40 45

Trp Glu Asn Gly Ala Arg Ser Asn Val Thr Val Arg Asn Thr Asn Gln
 50 55 60

Arg Leu Glu Pro Ile Arg Leu Arg Ser Thr Ser Asn Ser Arg Ser Arg
 65 70 75 80

Ser Pro Ile Gln Arg Gln Ser Gly Thr Val Tyr His Asn Ser Gln Arg
 85 90 95

Glu Ser Arg Pro Val Gln Gln Thr Thr Arg Arg Ser Val Arg Arg Arg
 100 105 110

Gly Arg Thr Arg Val Phe Leu Glu Gln Asp Arg Glu Arg Glu Arg Arg
 115 120 125

Gly Thr Ala Tyr Thr Pro Phe Ser Asn Ser Arg Leu Val Ser Arg Ile
 130 135 140

Thr Val Glu Glu Gly Glu Glu Ser Ser Arg Ser Ser Thr Ala Val Arg
 145 150 155 160

Arg His Pro Thr Ile Thr Leu Asp Leu Gln Val Arg Arg Ile Arg Pro
 165 170 175

Gly Glu Asn Arg Asp Arg Asp Ser Ile Ala Asn Arg Thr Arg Ser Arg
 180 185 190

Val Gly Leu Ala Glu Asn Thr Val Thr Ile Glu Ser Asn Ser Gly Gly
 195 200 205

Phe Arg Arg Thr Ile Ser Arg Leu Glu Arg Ser Gly Ile Arg Thr Tyr
 210 215 220

Val Ser Thr Ile Thr Val Pro Leu Arg Arg Ile Ser Glu Asn Glu Leu
 225 230 235 240

Val Glu Pro Ser Ser Val Ala Leu Arg Ser Ile Leu Arg Gln Ile Met
 245 250 255

Thr Gly Phe Gly Glu Leu Ser Ser Leu Met Glu Ala Asp Ser Glu Ser
 260 265 270

Glu Leu Gln Arg Asn Gly Gln His Leu Pro Asp Met His Ser Glu Leu
 275 280 285

Ser Asn Leu Gly Thr Asp Asn Asn Arg Ser Gln His Arg Glu Gly Ser
 290 295 300

Ser Gln Asp Arg Gln Ala Gln Gly Asp Ser Thr Glu Met His Gly Glu
 305 310 315 320

Asn Glu Thr Thr Gln Pro His Thr Arg Asn Ser Asp Ser Arg Gly Gly
 325 330 335

Arg Gln Leu Arg Asn Pro Asn Asn Leu Val Glu Thr Gly Thr Leu Pro
 340 345 350

Ile Leu Arg Leu Ala His Phe Phe Leu Leu Asn Glu Ser Asp Asp Asp
355 360 365

Asp Arg Ile Arg Gly Leu Thr Lys Glu Gln Ile Asp Asn Leu Ser Thr
370 375 380

Arg His Tyr Glu His Asn Ser Ile Asp Ser Glu Leu Gly Lys Ile Cys
385 390 395 400

Ser Val Ser Xaa Ala Glu Phe Trp Xaa Pro
405 410

<210> 3725

<211> 37

<212> PRT

<213> Homo sapiens

<400> 3725

Met Ala Asp Ala Thr Cys Thr Leu Leu Val Ile Phe Cys Val Met Gly
1 5 10 15

Tyr Glu Met Val His Arg Lys Lys Pro Glu Lys Tyr Ala Lys Val Arg
20 25 30

Phe Ile Leu Arg Val

35

<210> 3726

<211> 26

<212> PRT

<213> Homo sapiens

<400> 3726

Met Asp Leu Val Glu Ala Phe Asn His Ser Arg Gly Pro Gln Val Met
1 5 10 15

Leu Ile Ser Leu Leu Ala Gly Val Leu Val

20 25

<210> 3727

<211> 35

<212> PRT

<213> Homo sapiens

<400> 3727

Met Trp Ser Arg Met Val Arg Ser Leu Trp Tyr Ile Met Phe Thr Trp
1 5 10 15

Gln Gly Gly Ser Cys Val Leu Ser Gly Thr Gly Ser Leu Leu Ser Tyr
20 25 30

Thr Arg Thr

35

<210> 3728
<211> 224
<212> PRT
<213> Homo sapiens

<400> 3728
Met Leu Arg Ala Pro Gly Cys Leu Leu Arg Thr Ser Val Ala Pro Ala
1 5 10 15
Ala Ala Leu Ala Ala Leu Leu Ser Ser Leu Ala Arg Cys Ser Leu
20 25 30
Leu Glu Pro Arg Asp Pro Val Ala Ser Ser Leu Ser Pro Tyr Phe Gly
35 40 45
Thr Lys Thr Arg Tyr Glu Asp Val Asn Pro Val Leu Leu Ser Gly Pro
50 55 60
Glu Ala Pro Trp Arg Asp Pro Glu Leu Leu Glu Gly Thr Cys Thr Pro
65 70 75 80
Val Gln Leu Val Ala Leu Ile Arg His Gly Thr Arg Tyr Pro Thr Val
85 90 95
Lys Gln Ile Arg Lys Leu Arg Gln Leu His Gly Leu Leu Gln Ala Arg
100 105 110
Gly Ser Arg Asp Gly Gly Ala Ser Ser Thr Gly Ser Arg Asp Leu Gly
115 120 125
Ala Ala Leu Ala Asp Trp Pro Leu Trp Tyr Ala Asp Trp Met Asp Gly
130 135 140
Gln Leu Val Glu Lys Gly Arg Gln Asp Met Arg Gln Leu Ala Leu Arg
145 150 155 160
Leu Ala Ser Leu Phe Pro Ala Leu Phe Ser Arg Glu Asn Tyr Gly Arg
165 170 175
Cys Gly Ser Ser Pro Val Pro Ser Thr Ala Ala Trp Ile Ala Ala Pro
180 185 190
Pro Ser Cys Arg Gly Cys Gly Ser Thr Thr Thr Leu Ala Cys Arg Arg
195 200 205
Arg Thr Ser Gln Ile Trp Ser Leu Asp Leu Gln Gln Leu Met Ile Asn
210 215 220

<210> 3729
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3729

Met Trp Pro Trp Asp Met Val Phe Ser Trp Ser
1 5 10

<210> 3730
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3730
Met Thr Val Val Thr Ala Leu Leu Leu Ile Ile Leu Gln Thr Arg Asn
1 5 10 15

Leu Asn Ser Gly Gln Ile Ser Val Lys Asn Trp Gln Met Phe Phe Met
20 25 30

Arg Thr Leu Ile Met Asn Leu Ser Ala Ala Phe Gln Lys Val Arg Cys
35 40 45

Lys Met Xaa
50

<210> 3731
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3731
Met Phe Trp Ile Pro Trp Val Leu Val Leu Cys Ser Ser Leu Pro Thr
1 5 10 15

Cys Ala Gln Asp Ala Ala Leu Gly Ser Ser Thr His Gly Ser Phe Cys
20 25 30

Trp Asp Gly Val Thr Tyr Gly Phe
35 40

<210> 3732
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3732
Met Leu Ser Gln Cys Leu Leu Gln Phe Val Val Trp Val Phe Phe Phe
1 5 10 15

Leu Lys Pro His Asn Asn Phe Gly Lys Gln Cys Met Gly Arg Thr Cys
20 25 30

Val Cys

<210> 3733
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3733
Met Tyr Phe Cys Asp Thr Val Ile Met Phe Cys Ile Cys Leu Ile Leu
1 5 10 15
Ala Asp Leu Gln Tyr Ala Ile Lys Val
20 25

<210> 3734
<211> 45
<212> PRT
<213> Homo sapiens

<400> 3734
Met Arg Trp Thr Cys Leu Leu Gly Thr Pro Gly His Pro Leu Phe Phe
1 5 10 15
Leu Leu Cys Ala Trp Ser Ile Met Ser Thr Pro Ala Asp Pro Trp Lys
20 25 30
Arg Lys Cys Leu Cys Cys Arg Val Leu His Gly His Glu
35 40 45

<210> 3735
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3735
Met Leu Tyr Leu Asn Met Asn Gly Lys Phe Trp Phe Leu Ala Phe Thr
1 5 10 15
Phe Tyr Tyr Leu Asn Phe Ile Asn Ala Asn Ile Ser Phe Val Ile Ser
20 25 30
Tyr Ser Ile Ser
35

<210> 3736
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3736
Met Leu Tyr Leu Asn Met Asn Gly Lys Phe Trp Phe Leu Ala Phe Thr
1 5 10 15
Phe Tyr Tyr Leu Asn Phe Ile Asn Ala Asn Ile Ser Phe Val Ile Ser

20

25

30

Tyr Ser Ile Ser
35

<210> 3737
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3737
Met Leu Tyr Leu Asn Met Asn Gly Lys Phe Trp Phe Leu Ala Phe Thr
1 5 10 15

Phe Tyr Tyr Leu Asn Phe Ile Asn Ala Asn Ile Ser Phe Val Ile Ser
20 25 30

Tyr Ser Ile Ser
35

<210> 3738
<211> 70
<212> PRT
<213> Homo sapiens

<400> 3738
Met Pro Trp Cys Pro Cys Trp Thr Val Leu Thr Ser Lys Pro Phe Leu
1 5 10 15

Ser Met Leu Pro Ala Cys Ser Ala Trp Pro Arg Ser Thr Phe Ser Ser
20 25 30

Arg Thr Ser Val Trp Lys Ser Leu Arg Ser Pro Arg Leu Ser Trp Arg
35 40 45

Asn Thr Thr Arg Leu Gln Cys Phe Ser Pro Ser Asn Ser Cys Ser Gly
50 55 60

Met Ser Tyr Phe Ala Ser
65 70

<210> 3739
<211> 45
<212> PRT
<213> Homo sapiens

<400> 3739
Met Gly Val Phe Asp Pro Thr Glu Ile His Asn Arg Gly Gln Leu Lys
1 5 10 15

Ser His Met Lys Glu Ala Met Ile Lys Leu Gly Phe His Leu Leu Cys
20 25 30

Phe Phe Met Tyr Leu Tyr Ser Gly Ser Asn Cys Pro Cys
35 40 45

<210> 3740
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3740
Met Val Leu Val Leu Leu Cys Val Gly Pro Leu Gly Thr Gln Ala Gly
1 5 10 15
Ala Asn Gly Ile Trp Ala Glu Leu Thr Glu Phe Leu Glu
20 25

<210> 3741
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3741
Met Leu Leu Leu Val Ser Val Phe Ser Pro Val Leu Phe Ser Arg Ser
1 5 10 15
Ser Thr Val Glu Met Asp Val Glu Pro Phe Cys Leu Val Leu Ser Ser
20 25 30
Ala Phe Pro Glu Ile Thr Pro Pro Ile Ser Cys Leu Cys Leu Asn Met
35 40 45
Phe Phe Ser Leu Leu Arg Ser Pro His Ser
50 55

<210> 3742
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3742
Met Val Cys Ala Cys Leu Leu Ser Leu Arg Leu Gly Leu Leu Thr Glu
1 5 10 15
Cys Glu Tyr Lys Tyr Pro Tyr Leu Gly Glu Lys Tyr Ile Phe Lys Gly
20 25 30

Trp

<210> 3743
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3743
Met Phe Cys Ser Leu Leu Phe Ser Gln Tyr Val Gln Trp Leu Leu Ala

1

5

10

15

Gln Asn Arg Gln Tyr Ser Leu Thr Glu Cys Tyr Trp Thr Leu Ser Val
20 25 30

Tyr

<210> 3744

<211> 290

<212> PRT

<213> Homo sapiens

<400> 3744

Met Ala Val Thr Ala Gln Val Lys Ser Leu Thr Gln Lys Val Gln Ala
1 5 10 15

Gly Ala Tyr Pro Thr Glu Lys Gly Leu Ser Phe Leu Glu Val Lys Asp
20 25 30

Gln Leu Leu Leu Met Tyr Leu Met Asp Leu Thr His Leu Ile Leu Asp
35 40 45

Lys Ala Ser Gly Gly Ser Leu Gln Gly His Asp Ala Val Leu Arg Leu
50 55 60

Val Glu Ile Arg Thr Val Leu Glu Lys Leu Arg Pro Leu Asp Gln Lys
65 70 75 80

Leu Lys Tyr Gln Ile Asp Lys Leu Ile Lys Thr Ala Val Thr Gly Ser
85 90 95

Leu Ser Glu Asn Asp Pro Leu Arg Phe Lys Pro His Pro Ser Asn Met
100 105 110

Met Ser Lys Leu Ser Ser Glu Asp Glu Glu Glu Asp Glu Ala Glu Asp
115 120 125

Asp Gln Ser Glu Ala Ser Gly Lys Ser Val Lys Gly Val Ser Lys
130 135 140

Lys Tyr Val Pro Pro Arg Leu Val Pro Val His Tyr Asp Glu Thr Glu
145 150 155 160

Ala Glu Arg Glu Lys Lys Arg Leu Glu Arg Ala Lys Arg Arg Ala Leu
165 170 175

Ser Ser Ser Val Ile Arg Glu Leu Lys Glu Gln Tyr Ser Asp Ala Pro
180 185 190

Glu Glu Ile Arg Asp Ala Arg His Pro His Val Thr Arg Gln Ser Gln
195 200 205

Glu Asp Gln His Arg Ile Asn Tyr Glu Glu Ser Met Met Val Arg Leu
210 215 220

Ser Val Ser Lys Arg Glu Lys Gly Arg Arg Lys Arg Ala Asn Val Met
225 230 235 240

Ser Ser Gln Leu His Ser Leu Thr His Phe Ser Asp Ile Ser Ala Leu
245 250 255

Thr Gly Gly Thr Val His Leu Asp Glu Asp Gln Asn Pro Ile Lys Lys
260 265 270

Arg Lys Lys Ile Pro Gln Lys Gly Arg Lys Lys Gly Phe Arg Arg
275 280 285

Arg Arg
290

<210> 3745

<211> 24

<212> PRT

<213> Homo sapiens

<400> 3745

Met Gly Gly Thr Pro Ser Thr Lys Cys Leu Val Thr Ser Ala Trp Ser
1 5 10 15

Gly Phe Ser Ala Cys Thr Pro Cys
20

<210> 3746

<211> 25

<212> PRT

<213> Homo sapiens

<400> 3746

Met Thr Arg Ser Leu Val Leu Arg Phe Lys Val Leu Leu Met Leu Gly
1 5 10 15

Leu Leu Ile Glu Val Ser Glu Glu Leu
20 25

<210> 3747

<211> 73

<212> PRT

<213> Homo sapiens

<400> 3747

Met Pro Ser Leu Trp Asp Arg Phe Ser Ser Ser Ser Thr Phe Gln Leu
1 5 10 15

Thr Leu Val Leu Arg Leu Asp Ser Arg Leu Trp Pro Lys Ile Gln Gly
20 25 30

Leu Phe Ser Ser Ala Asn Ser Pro Phe Leu Pro Gly Phe Ser Gln Ser
35 40 45

Leu Thr Leu Ser Thr Gly Phe Arg Val Ile Lys Lys Leu Tyr Ser
50 55 60

Ser Glu Gln Leu Leu Ile Glu Glu Cys

65

70

<210> 3748
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3748
Met Pro His Pro Pro Leu Pro Glu Thr Ser Leu Glu Ala Gln Leu Pro
1 5 10 15
Met Gly Leu Leu Gln Leu Leu Arg Cys Ser Val Gln Ala Trp Ser Pro
20 25 30
Pro Pro Ser Ser Phe Cys Pro Gly Ser Glu Pro Arg Ser Ala Ser Ala
35 40 45
His Trp Gly Tyr Trp Trp Pro
50 55

<210> 3749
<211> 27
<212> PRT
<213> Homo sapiens

<400> 3749
Met Pro Ile Ser Val Ser Ser Phe Cys Ala Ala Val Ile Val Gly Leu
1 5 10 15
Pro Val Ser Phe Glu Leu Trp Ala Leu Pro Gly
20 25

<210> 3750
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3750
Met Ile Val Val Val Leu Trp Ile Asn Leu Cys Ser Trp Phe Cys Phe
1 5 10 15
Val Ser Pro Leu Pro Lys Cys Ser Phe Gln Tyr Tyr Thr Arg Lys Arg
20 25 30

Ser

<210> 3751
<211> 67
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3751
Met Val Leu Met Gly Ile Phe Phe Ser Thr Leu Phe Val Phe Met Asp
1 5 10 15

Ser Gly Thr Trp Ala Ser Ser Ile Phe Phe His Leu Met Thr Cys Val
20 25 30

Leu Ser Leu Gly Val Val Leu Pro Trp Leu His Arg Xaa Ile Arg Arg
35 40 45

Ile Pro Cys Ser Gly Phe Phe Ser Phe Ser Ser Arg Gln Thr Pro Ala
50 55 60

Ser Thr Ser
65

<210> 3752
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3752
Val Gly Ile Leu Cys Leu Trp
1 5

<210> 3753
<211> 144
<212> PRT
<213> Homo sapiens

<400> 3753
Met Asp Val Arg Lys Leu Asp Phe Pro Ser Ala Ser Phe Asp Val Val
1 5 10 15

Leu Glu Lys Gly Thr Leu Asp Ala Leu Leu Ala Gly Glu Arg Asp Pro
20 25 30

Trp Thr Val Ser Pro Glu Gly Val His Thr Val Asp Gln Val Leu Ser
35 40 45

Glu Val Ser Arg Val Leu Val Pro Gly Gly Arg Phe Ile Ser Met Thr
50 55 60

Ser Ala Ala Pro His Phe Arg Thr Arg His Tyr Ala Gln Ala Tyr Tyr
65 70 75 80

Gly Trp Ser Leu Arg His Ala Thr Tyr Gly Ser Gly Phe His Phe His
85 90 95

Leu Tyr Leu Met His Lys Gly Gly Lys Leu Ser Val Ala Gln Leu Ala
100 105 110

Leu Gly Ala Gln Ile Leu Ser Pro Pro Arg Thr Pro Thr Ser Pro Cys

115

120

125

Phe Leu Gln Asp Ser Asp His Glu Asp Phe Leu Ser Ala Ile Gln Leu
130 135 140

<210> 3754

<211> 18

<212> PRT

<213> Homo sapiens

<400> 3754

Val Leu Cys Ser Leu Ser Cys Met Leu Lys Leu Gly Val Cys Trp Arg
1 5 10 15

Ala Ser

<210> 3755

<211> 96

<212> PRT

<213> Homo sapiens

<400> 3755

Met Glu Gly Thr Leu Trp Trp Pro Leu Arg Leu Ser Leu Phe Leu Ala
1 5 10 15

Gly Phe Pro Gly Ala Thr Trp Pro Ala Ala Val Gly Glu Val Leu Val
20 25 30

Gly Glu Cys Gln Ser Glu Pro Thr Gln Ala Thr Ser Trp Gln Trp Arg
35 40 45

His Ser His Pro Gly Gln Gly Gln Asp Leu Gly Ile Ser Ser Asp Leu
50 55 60

Ser Gly Gln Arg His Glu Val Arg Tyr Ala Leu Gly Ala Cys Ser Lys
65 70 75 80

Gly Asp Lys Glu Glu Gly Thr Ser Trp Trp Gly Val Glu Lys Asp Pro
85 90 95

<210> 3756

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3756

Met Leu His Phe Cys Phe Ile Phe Tyr Phe Ser Leu Leu Cys Phe
1 5 10 15

<210> 3757
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3757
Glu Lys Arg Arg Lys Lys Ala Arg Ser Thr Gly Asn Leu Gly Cys Gly
1 5 10 15
Thr Met Ser Arg Arg Met Arg Thr
20

<210> 3758
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3758
Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Phe Ile
1 5 10 15
Leu Phe Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30
Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45
His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60
Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80
Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95
Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110
Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Xaa
115 120 125
Glu His Trp Asp Pro Arg Ile Ala Lys Asn Tyr Pro Gln Gly Arg His
130 135 140
Asn Pro Ser Arg
145

<210> 3759

<211> 14
<212> PRT
<213> Homo sapiens

<400> 3759
Met Pro Glu Ala His Gly Pro Ser Glu Gly Leu Trp Gly Thr
1 5 10

<210> 3760
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3760
Met Tyr Ile Asn Ser Met Phe Ile Phe Phe Ser Ile Leu Ser Asp Thr
1 5 10 15
Val Leu Ala Ala Gly Leu Leu Lys Pro Ser Leu Val Val Ile Glu Ser
20 25 30
Phe Pro Leu Leu
35

<210> 3761
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3761
Met Gly Leu His Leu Thr Phe Leu Val Ile Leu Val Asp Gln Met Pro
1 5 10 15
Leu Gly His Gln Ser Leu Leu Gln Asp
20 25

<210> 3762
<211> 377
<212> PRT
<213> Homo sapiens

<400> 3762
Met Gly Leu Asn Glu Glu Gln Lys Glu Phe Gln Lys Val Ala Phe Asp
1 5 10 15
Phe Ala Ala Arg Glu Met Ala Pro Asn Met Ala Glu Trp Asp Gln Lys
20 25 30
Glu Leu Phe Pro Val Asp Val Met Arg Lys Ala Ala Gln Leu Gly Phe
35 40 45
Gly Gly Val Tyr Ile Gln Thr Asp Val Gly Gly Ser Gly Leu Ser Arg
50 55 60
Leu Asp Thr Ser Val Ile Phe Glu Ala Leu Ala Thr Gly Cys Thr Ser
65 70 75 80

Thr Thr Ala Tyr Ile Ser Ile His Asn Met Cys Ala Trp Met Ile Asp
85 90 95

Ser Phe Gly Asn Glu Glu Gln Arg His Lys Phe Cys Pro Pro Leu Cys
100 105 110

Thr Met Glu Lys Phe Ala Ser Tyr Cys Leu Thr Glu Pro Gly Ser Gly
115 120 125

Ser Asp Ala Ala Ser Leu Leu Thr Ser Ala Lys Lys Gln Gly Asp His
130 135 140

Tyr Ile Leu Asn Gly Ser Lys Ala Phe Ile Ser Gly Ala Gly Glu Ser
145 150 155 160

Asp Ile Tyr Val Val Met Cys Arg Thr Gly Gly Pro Gly Pro Lys Gly
165 170 175

Ile Ser Cys Ile Val Val Glu Lys Gly Thr Pro Gly Leu Ser Phe Gly
180 185 190

Lys Lys Glu Lys Lys Val Gly Trp Asn Ser Gln Pro Thr Arg Ala Val
195 200 205

Ile Phe Glu Asp Cys Ala Val Pro Val Ala Asn Arg Ile Gly Ser Glu
210 215 220

Gly Gln Gly Phe Leu Ile Ala Val Arg Gly Leu Asn Gly Gly Arg Ile
225 230 235 240

Asn Ile Ala Ser Cys Ser Leu Gly Ala Ala His Ala Ser Val Ile Leu
245 250 255

Thr Arg Asp His Leu Asn Val Arg Lys Gln Phe Gly Glu Pro Leu Ala
260 265 270

Ser Asn Gln Tyr Leu Gln Phe Thr Leu Ala Asp Met Ala Thr Arg Leu
275 280 285

Val Ala Ala Arg Leu Met Val Arg Asn Ala Ala Val Ala Leu Gln Glu
290 295 300

Glu Arg Lys Asp Ala Val Ala Leu Cys Ser Met Ala Lys Leu Phe Ala
305 310 315 320

Thr Asp Glu Cys Phe Ala Ile Cys Asn Gln Ala Leu Gln Met His Gly
325 330 335

Gly Tyr Gly Tyr Leu Lys Asp Tyr Ala Val Gln Gln Tyr Val Arg Asp
340 345 350

Ser Arg Val His Gln Ile Leu Glu Gly Ser Asn Glu Val Met Arg Ile
355 360 365

Leu Ile Ser Arg Ser Leu Leu Gln Glu
370 375

<211> 175
<212> PRT
<213> Homo sapiens

<400> 3763

Met	Asp	Leu	Ala	Gly	Arg	Lys	Val	Leu	Leu	Phe	Val	Ser	Ala	Ala	Ile
1		5					10						15		
Met	Phe	Ala	Ala	Asn	Leu	Thr	Leu	Gly	Leu	Tyr	Ile	His	Phe	Gly	Pro
	20						25						30		
Arg	Pro	Leu	Ser	Pro	Asn	Ser	Thr	Ala	Gly	Leu	Glu	Ser	Glu	Ser	Trp
	35						40					45			
Gly	Asp	Leu	Ala	Gln	Pro	Leu	Ala	Ala	Pro	Ala	Gly	Tyr	Leu	Thr	Leu
	50					55					60				
Val	Pro	Leu	Leu	Ala	Thr	Met	Leu	Phe	Ile	Met	Gly	Tyr	Ala	Val	Gly
	65					70				75			80		
Trp	Gly	Pro	Ile	Thr	Trp	Leu	Leu	Met	Ser	Glu	Val	Leu	Pro	Leu	Arg
			85					90					95		
Ala	Arg	Gly	Val	Ala	Ser	Gly	Leu	Cys	Val	Leu	Ala	Ser	Trp	Leu	Thr
	100						105					110			
Ala	Phe	Val	Leu	Thr	Lys	Ser	Phe	Leu	Pro	Val	Val	Ser	Thr	Phe	Gly
	115						120					125			
Leu	Gln	Val	Pro	Phe	Phe	Phe	Ala	Ala	Ile	Cys	Leu	Val	Ser	Leu	
	130				135					140					
Val	Phe	Thr	Gly	Cys	Cys	Val	Pro	Glu	Thr	Lys	Gly	Arg	Ser	Leu	Glu
	145				150					155			160		
Gln	Ile	Glu	Ser	Phe	Phe	Arg	Thr	Gly	Arg	Arg	Ser	Phe	Leu	Arg	
		165					170					175			

<210> 3764
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3764

Met	Trp	Phe	Met	Ser	Asn	Ser	Ala	Val	Leu	Leu	Trp	Leu	Trp	Phe	Lys
1			5					10					15		
Phe	Leu	Met	Phe	Lys	Val	Asp	Ala	Val	Phe	Arg	Arg	Ala	Phe	Tyr	
	20							25					30		

<210> 3765
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3765
Met Trp Ala Lys Val Pro Pro Pro His Lys Ala Leu Gly Ser Pro Arg
1 5 10 15

Ser Pro His Arg Gln Thr Trp Gly Ser Arg Pro Arg Val Gly Pro Arg
20 25 30

Glu Glu Gly Leu Xaa Val Gly Arg Gly Ile Thr Glu Trp Lys Glu Ile
35 40 45

Glu Gly Ala Glu Ser Ala Phe Ala Val Met Ser
50 55

<210> 3766
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3766
Met Lys Ala Thr Arg His Trp Ala Pro Val Leu Leu Glu Trp Thr Phe
1 5 10 15

Cys Lys Arg Pro Cys His His Leu Pro Arg Lys Phe Pro Ser Val Val
20 25 30

Leu Cys Ile Ile Ile Tyr Lys Ile Thr Tyr Phe Asp Asp Gln Arg Ser
35 40 45

<210> 3767
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3767
Met Arg Leu Leu Val Leu Phe Cys Phe Ile Asn
1 5 10

<210> 3768
<211> 417
<212> PRT
<213> Homo sapiens

<400> 3768
Asn Ser Arg Val Asp Pro Arg Val Arg Gly Glu Ile Pro Ile Ser Ser
1 5 10 15

Ser Gln Thr Asn Arg Ser Ser Phe Asp Leu Leu Pro Arg Glu Phe Arg
20 25 30

Leu Val Glu Val His Asp Pro Pro Leu His Gln Pro Ser Ala Asn Lys
35 40 45

Pro Lys Pro Pro Thr Met Leu Asp Ile Pro Ser Glu Pro Cys Ser Leu
50 55 60

Thr Ile His Thr Ile Gln Leu Ile Gln His Asn Arg Arg Leu Arg Asn
65 70 75 80

Leu Ile Ala Thr Ala Gln Ala Gln Asn Gln Gln Gln Thr Glu Gly Val
85 90 95

Lys Thr Glu Glu Ser Glu Pro Leu Pro Ser Cys Pro Gly Ser Pro Pro
100 105 110

Leu Pro Asp Asp Leu Leu Pro Leu Asp Cys Lys Asn Pro Asn Ala Pro
115 120 125

Phe Gln Ile Arg His Ser Asp Pro Glu Ser Asp Phe Tyr Arg Gly Lys
130 135 140

Gly Glu Pro Val Thr Glu Leu Ser Trp His Ser Cys Arg Gln Leu Leu
145 150 155 160

Tyr Gln Ala Val Ala Thr Ile Leu Ala His Ala Gly Phe Asp Cys Ala
165 170 175

Asn Glu Ser Val Leu Glu Thr Leu Thr Asp Val Ala His Glu Tyr Cys
180 185 190

Leu Lys Phe Thr Lys Leu Leu Arg Phe Ala Val Asp Arg Glu Ala Arg
195 200 205

Leu Gly Gln Thr Pro Phe Pro Leu Asn Gly Lys Glu Gln Gly Phe His
210 215 220

Glu Val Gly Ile Gly Ser Val Leu Ser Leu Gln Lys Phe Trp Gln His
225 230 235 240

Arg Ile Lys Asp Tyr His Ser Tyr Met Leu Gln Ile Ser Lys Gln Leu
245 250 255

Ser Glu Glu Tyr Glu Arg Ile Val Asn Pro Glu Lys Ala Thr Glu Asp
260 265 270

Ala Lys Pro Val Lys Ile Lys Glu Glu Pro Val Ser Asp Ile Thr Phe
275 280 285

Pro Val Ser Glu Glu Leu Glu Ala Asp Leu Ala Ser Gly Asp Gln Ser
290 295 300

Leu Pro Met Gly Val Leu Gly Ala Gln Ser Glu Arg Phe Pro Ser Asn
305 310 315 320

Leu Glu Val Glu Ala Ser Pro Gln Ala Ser Ser Ala Glu Val Asn Ala
325 330 335

Ser Pro Leu Trp Asn Leu Ala His Val Lys Met Glu Pro Gln Glu Ser
340 345 350

Glu Glu Gly Asn Val Ser Gly His Gly Val Leu Gly Ser Asp Val Phe

355

360

365

Glu Glu Pro Ile Ser Gly Met Ser Glu Ala Gly Ile Pro Gln Ser Pro
370 375 380

Asp Asp Ser Asp Ser Ser Tyr Gly Ser His Ser Thr Asp Ser Leu Met
385 390 395 400

Gly Ser Ser Pro Val Phe Asn Gln Arg Cys Lys Lys Arg Met Arg Lys
405 410 415

Ile

<210> 3769

<211> 38

<212> PRT

<213> Homo sapiens

<400> 3769

Met Leu Ser Gly Tyr Pro Leu Ser Phe Phe Leu Leu Thr Ile Cys Leu
1 5 10 15

Val Val Leu Thr Ala Arg Gly Thr Glu Gly Leu Cys Pro Gly Ile Trp
20 25 30

Arg Pro Ala Leu Phe Thr
35

<210> 3770

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3770

Met Leu Leu Phe Leu Leu Leu Leu Ser Ser Leu Leu Ala Leu
1 5 10 15

Asn Asp Cys

<210> 3771

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3771

Met Gly Ala Pro Thr Arg Lys Cys Ser Val Gln Trp Leu Ser Leu Ser
1 5 10 15

Val Pro Phe Leu Ser Ala Gln Cys Ser Ala Trp Arg Ser Ile
20 25 30

<210> 3772
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3772
Met Gln Ser His Phe Leu Lys Asp Phe His Pro Asp Pro Ala Leu Asp
1 5 10 15
Lys His Phe Leu Leu Phe Arg Ser Lys Thr Tyr Lys Ser Cys Lys
20 25 30

<210> 3773
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3773
Met Pro Phe Lys Tyr Leu Phe Met Gly Phe Ile Ser His Ile Leu Ser
1 5 10 15
Ala Pro Ser Ser Glu Thr Leu His Leu Phe His Leu Pro Ser Lys Glu
20 25 30
Ser Glu Ala Asp Asp
35

<210> 3774
<211> 44
<212> PRT
<213> Homo sapiens

<400> 3774
Met Ser Gly Cys Gly Ala Ser Gly Met Asn Leu Phe His Val Leu Cys
1 5 10 15
Trp Glu Leu Ala Leu Gly Asp His Asn Pro Gln Ser Pro Gln His Gln
20 25 30
Gly Lys Val Pro Gly Ala Gln Glu Gly Lys Pro Thr
35 40

<210> 3775
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3775
Met Ala Thr Pro Ser Phe Leu Phe Phe Leu Leu Leu Asn Phe Asn
1 5 10 15
Ser Ser Phe Val Trp Leu Phe Ser Phe Leu Cys Leu Phe Pro Val Lys
20 25 30
Leu

<210> 3776
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3776
Met Cys Pro Leu Pro Met Leu Xaa Ser Leu Leu Thr Phe Ser Phe Phe
1 5 10 15

Ser Leu Ser Tyr Leu Leu Leu Trp Ser Ser Ser Asn Ser Ser Ser
20 25 30

Val His Leu Asn Ser Thr Phe Xaa Asp Pro Val Gly
35 40

<210> 3777
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3777
His Leu Leu Ile Tyr Arg Ile Phe Ile Cys Thr Cys Phe His Leu Phe
1 5 10 15

Val Val Asn Phe Leu Arg Gln Thr His
20 25

<210> 3778
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3778
Met Glu Thr Ser Tyr Ile Thr Leu Leu Cys Val Phe Thr His Val Gly
1 5 10 15

Phe Ala Val Leu Ala Leu Thr Ala His Gly Ser Ala Gly His Thr Pro
20 25 30

Thr His Thr Asn Cys His
35

<210> 3779
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3779
Met Trp Ile Met Gly Leu Leu Tyr Ile Leu Val Phe Tyr Asn Phe Lys
1 5 10 15
Ile Ser Ile Asn Ser Gln Lys Trp Glu Arg Lys Arg Gln Gln Asp Phe
20 25 30
Gly Ser Trp Arg Gln Ile Tyr
35

<210> 3780
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3780
Met Gly Ala Gly Cys Val Ala Val Leu Leu Leu Gly Gln Ala Ala Gly
1 5 10 15
Glu Thr Val Phe Pro Trp Pro Cys Pro Val Gly Pro Ser Met Met Ser
20 25 30

<210> 3781
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3781
Met Leu Phe Phe Leu Cys Phe Cys Phe Leu Gln Leu Phe His Val Tyr
1 5 10 15
Lys Ala Asn Pro Phe Cys Ser Ala His
20 25

<210> 3782
<211> 45
<212> PRT
<213> Homo sapiens

<400> 3782
Met Asp Ser Ile Leu Ile Phe Lys Trp Gln Lys Leu Gly Trp Gly Ala
1 5 10 15
Phe Lys Thr Cys Phe Leu Asn Cys Val Leu Thr Tyr Thr Ile Trp Cys
20 25 30

Phe Ile Cys Leu Phe Phe Leu Thr Met Ser Arg Arg Pro
35 40 45

<210> 3783
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3783
Met Gln Lys Phe Val Val Ile Met Tyr Leu Cys Leu Val Thr Ile Met
1 5 10 15

Phe Tyr Arg Pro Thr Leu Val Pro Gly His Tyr Cys Lys Met Leu Lys
20 25 30

Ser Gln Glu Asn Phe Thr Glu Leu Lys Lys
35 40

<210> 3784
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3784
Met Val Ile His Tyr Phe Leu Leu Phe Leu Val Lys Ser Trp Cys Val
1 5 10 15

Met Glu Ser Thr Cys Ser Met Cys Val Cys Leu Cys Val
20 25

<210> 3785
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3785
Met Leu Ala Val Phe Leu Arg Ile Lys Leu Arg Leu Ala Gly Thr Val
1 5 10 15

Lys Pro Lys Phe Leu Phe Val Ser Phe Leu Ala Pro Leu Ile Phe Leu
20 25 30

Asp Phe Glu Lys Phe Thr Val Trp
35 40

<210> 3786
<211> 102
<212> PRT
<213> Homo sapiens

<400> 3786
Met Gly Leu Arg Asn Ile Leu Lys Val Cys Cys Thr His Asp Ile Thr
1 5 10 15

Thr Ile Ser Ile Pro Leu Leu Leu Val His Asp Met Ser Glu Glu Met
20 25 30

Thr Ile Pro Trp Cys Leu Arg Arg Ala Glu Leu Val Phe Lys Cys Val
35 40 45

Lys Gly Phe Met Met Glu Met Ala Ser Trp Asp Gly Gly Ile Ser Arg
50 55 60

Thr Val Gln Phe Leu Val Pro Gln Ser Ile Ser Glu Glu Met Phe Tyr
65 70 75 80

Gln Leu Ser Asn Met Leu Pro Gln Ile Phe Arg Val Ser Ser Thr Leu
85 90 95

Thr Leu Thr Ser Lys His
100

<210> 3787

<211> 102

<212> PRT

<213> Homo sapiens

<400> 3787

Met Gly Leu Arg Asn Ile Leu Lys Val Cys Cys Thr His Asp Ile Thr
1 5 10 15

Thr Ile Ser Ile Pro Leu Leu Leu Val His Asp Met Ser Glu Glu Met
20 25 30

Thr Ile Pro Trp Cys Leu Arg Arg Ala Glu Leu Val Phe Lys Cys Val
35 40 45

Lys Gly Phe Met Met Glu Met Ala Ser Trp Asp Gly Gly Ile Ser Arg
50 55 60

Thr Val Gln Phe Leu Val Pro Gln Ser Ile Ser Glu Glu Met Phe Tyr
65 70 75 80

Gln Leu Ser Asn Met Leu Pro Gln Ile Phe Arg Val Ser Ser Thr Leu
85 90 95

Thr Leu Thr Ser Lys His
100

<210> 3788

<211> 14

<212> PRT

<213> Homo sapiens

<400> 3788

Met Val Pro Ser Glu Ala Cys Pro Leu Val Cys Thr Leu Val
1 5 10

<210> 3789
<211> 57
<212> PRT
<213> Homo sapiens

<400> 3789
Met Trp Arg Arg Asp Gln Ser Leu Leu Leu Val Ser Leu Gln Leu Pro
1 5 10 15

Phe Ser Pro Val Ser Gly Thr Pro Arg Phe Met Pro Ala Val Gln Pro
20 25 30

Cys Gln Pro His Arg Leu Asn Thr Pro Ser Asn Ser Cys Ser Val Phe
35 40 45

Leu Gly Gly Gly Ala Pro Arg Gly Asn
50 55

<210> 3790
<211> 122
<212> PRT
<213> Homo sapiens

<400> 3790
Val Ala Glu Tyr Arg Glu Trp Gly Arg Ala Arg Ala Gly Gly Arg Asp
1 5 10 15

Gln Gly Leu Asp Pro Leu Ser Ser Phe Ser Leu Gly Arg Thr Gly Gln
20 25 30

Leu Pro Pro Thr Leu Thr Pro Leu Leu Pro Val Asn Gly Ala Val Arg
35 40 45

Glu Glu Ser Ile His Cys Lys Ser Val Glu Glu Ile Ser Thr Leu Val
50 55 60

Gln Lys Leu Ala Asp Gln Ser Gly Leu Asp Val Ile Arg Ile Arg Lys
65 70 75 80

Pro Phe His Thr Asp Asn Pro Ser Ile Gln Gly Gln Trp His Pro Phe
85 90 95

Thr Asn Lys Pro Thr Thr Phe Arg Gly Leu Arg Pro Arg Glu Val Gln
100 105 110

Asp Pro Ala Pro Ala Gln Val Gln Ala Gln
115 120

<210> 3791
<211> 65
<212> PRT
<213> Homo sapiens

<400> 3791
Met Leu Ser Leu Leu Ser Leu Cys Leu Leu Asn Pro Gln Ala Pro Val
1 5 10 15

Leu Pro Asp Ser Gly Thr Cys Thr Leu Pro Leu Gln Ser Gly Val Leu
20 25 30

Arg Ala Leu Arg Thr Met Lys His Ala Trp Cys Ile Phe Leu Ser Val
35 40 45

Asn Phe Pro His Trp Leu Leu Phe Asn Pro Leu His Phe Tyr Ser Lys
50 55 60

Ser
65

<210> 3792
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3792
Met Gly Thr Asp Ala Leu Ser Phe Leu Leu Trp Gly Phe Pro Phe Leu
1 5 10 15

Trp Ser Pro Cys Ser Pro Cys Pro Pro Ser Gly Ala Ala Gly Leu Lys
20 25 30

Gly Gly Thr Arg Gly Gly Arg Val
35 40

<210> 3793
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3793
Met Pro Val Thr Trp Phe Leu Ala Trp Ser Ala Phe Phe Gln Val Cys
1 5 10 15

Leu Gly Pro Ser Pro Ala Arg Gly Tyr Ser Thr Leu Gln Ala Arg Tyr
20 25 30

Ala Phe Phe Gln Pro Leu Gly Cys Gly His Cys Ile Gln Val Gly Thr
35 40 45

Ser Phe Pro Ser Leu Pro Phe
50 55

<210> 3794
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3794
Met Ala Met Trp Val Val Ala Val Ile Ala Ser Ser Ala Thr Leu Gly
1 5 10 15

Leu Ala Lys Ile Thr His Asp Leu Gln Ser Thr Leu Gln Leu

20

25

30

<210> 3795
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3795
Met Leu Phe Phe Pro His Ser Pro Leu Asn Ile Val Leu Tyr Ala Leu
1 5 10 15

Leu Asn Thr Phe Ser Phe Val Ser Gln Ala Ser Leu Trp Met Thr Pro
20 25 30

Lys Tyr Asn Phe Phe His
35

<210> 3796
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3796
Ala Asp Gly Pro Cys Phe Gly Pro Ala Leu Phe Leu Thr Leu Ala Leu
1 5 10 15

Thr Trp Glu Gly Leu Glu Gly Pro Ser His His Pro Arg Ser Pro Ser
20 25 30

Ala Val Pro Phe Pro Cys Arg Leu Ala Ala Ala Ser Pro Ala
35 40 45

<210> 3797
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3797
Met Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val His Arg Val
1 5 10 15

Leu Pro Cys Val Val Phe Phe Trp Arg Leu Ser Leu Trp Ser Arg
20 25 30

<210> 3798
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3798
Met Arg Leu Ser Thr Trp Leu Thr Phe Asn Met Cys Ile Phe Thr Leu
1 5 10 15

Cys Ile Phe Leu Thr Gly Leu Ser Arg Leu Asp Cys Ile His His Ile
20 25 30

<210> 3799
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3799
Ala Ser Gln Thr Phe Ser Thr Glu Leu Trp Cys Phe Gly Leu Trp His
1 5 10 15

Thr

<210> 3800
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3800
Met Lys Asp Arg Lys Gln Trp Ala Phe Lys Thr Arg Trp Pro Phe Phe
1 5 10 15
His Phe Leu Met Leu Ser Leu Ala Leu Asp Cys Tyr Arg Phe Leu Thr
20 25 30

Ser

<210> 3801
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3801
Met Ala Ile Leu Leu Thr Phe Leu Val Tyr Val Ile Ile Thr Ser Ile
1 5 10 15
Gly Lys Gln Leu His Lys Lys Asn Leu Tyr Ile Phe Asn Phe
20 25 30

<210> 3802
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3802
Met Arg Phe Leu Trp Cys Gln Pro Val Ala Ser Val Trp Gly Ser
1 5 10 15

<210> 3803
<211> 294
<212> PRT
<213> Homo sapiens

<400> 3803
Met Met Val Gln Met Ile Ser Asp Ala Asn Thr Ala Gly Asn Gly Phe
1 5 10 15
Met Ala Met Phe Ser Ala Ala Glu Pro Asn Glu Arg Gly Asp Gln Tyr
20 25 30
Cys Gly Gly Leu Leu Asp Arg Pro Ser Gly Ser Phe Lys Thr Pro Asn
35 40 45
Trp Pro Asp Arg Asp Tyr Pro Ala Gly Val Thr Cys Val Trp His Ile
50 55 60
Val Ala Pro Lys Asn Gln Leu Ile Glu Leu Lys Phe Glu Lys Phe Asp
65 70 75 80
Val Glu Arg Asp Asn Tyr Cys Arg Tyr Asp Tyr Val Ala Val Phe Asn
85 90 95
Gly Gly Glu Val Asn Asp Ala Arg Arg Ile Gly Lys Tyr Cys Gly Asp
100 105 110
Ser Pro Pro Ala Pro Ile Val Ser Glu Arg Asn Glu Leu Leu Ile Gln
115 120 125
Phe Leu Ser Asp Leu Ser Leu Thr Ala Asp Gly Phe Ile Gly His Tyr
130 135 140
Ile Phe Arg Pro Lys Lys Leu Pro Thr Thr Glu Gln Pro Val Thr
145 150 155 160
Thr Thr Phe Pro Val Thr Thr Gly Leu Lys Pro Thr Val Ala Leu Cys
165 170 175
Gln Gln Lys Cys Arg Arg Thr Gly Thr Leu Glu Gly Asn Tyr Cys Ser
180 185 190
Ser Asp Phe Val Leu Ala Gly Thr Val Ile Thr Thr Ile Thr Arg Asp
195 200 205
Gly Ser Leu His Ala Thr Val Ser Ile Ile Asn Ile Tyr Lys Glu Gly
210 215 220
Asn Leu Ala Ile Gln Gln Ala Gly Lys Asn Met Ser Ala Arg Leu Thr
225 230 235 240
Val Val Cys Lys Gln Cys Pro Leu Leu Arg Arg Gly Leu Asn Tyr Ile
245 250 255
Ile Met Gly Gln Val Gly Glu Asp Gly Arg Gly Lys Ile Met Pro Asn
260 265 270
Ser Phe Ile Met Met Phe Lys Thr Lys Asn Gln Lys Leu Leu Asp Ala

275

280

285

Leu Lys Asn Lys Gln Cys
290

<210> 3804
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3804
Met Phe Val Pro Tyr Leu Trp Val Phe Arg Ser Leu Ser Leu Ser Leu
1 5 10 15
Phe Leu Phe Leu Ser Val Phe Ser Ile Ser His Leu His Leu Gly Ser
20 25 30
Ile Leu Cys Ser Leu Ser Gln Asp
35 40

<210> 3805
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3805
Met Ser Ile Lys Arg Gln Ser Val Leu Ala Thr Leu Ser Leu Gln Ile
1 5 10 15
Val Ala Phe Pro Leu Gln Gln Gly Pro Arg Gly Asp Thr Gly Asn Leu
20 25 30

<210> 3806
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3806
Met Gln Met Leu Arg Lys Leu Phe Thr Ala Ile Arg Ala Leu Phe Leu
1 5 10 15
Ala Val Cys Val Leu Lys Val Ile Val Ser Leu Val Pro Trp Glu
20 25 30

<210> 3807
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3807

Met Leu Thr His Ile Ser Phe Ala Ser Phe Ile Arg Leu Val Leu Thr
1 5 10 15

Leu Gly Gly Asp Ile Tyr Ser Gln Met Arg Ser Arg His Lys Val Lys
20 25 30

Asn Gly Thr Ile Tyr
35

<210> 3808
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3808
Met Thr Ser Ala Phe Leu Phe Leu Phe Leu Asp Ser Val Leu Phe Thr
1 5 10 15

Trp Ala Cys Val Trp Leu Gly Asp Arg Gln Glu Cys Gln Lys Ala Gly
20 25 30

Arg

<210> 3809
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3809
Val Asn Tyr Leu Phe Lys Ile Leu Thr Val His Tyr Val Pro Thr Met
1 5 10 15

Lys Pro Leu Ser Pro Lys Thr Gln Thr Asp
20 25

<210> 3810
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3810
Met Ile Arg Thr Pro Asn Gln Ile Gln Lys Pro Val Leu Leu Tyr Leu
1 5 10 15

Leu His Trp Pro Ser
20

<210> 3811
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3811
Met Asp Leu Leu Phe Leu Asp Met Gly Leu Ser Ala Trp Gln Met Trp
1 5 10 15

Lys Leu Lys Phe Leu Val Pro Leu Gln Val Leu Ala Ser Gln Pro Cys
20 25 30

Arg Lys Val Val Tyr Arg Pro Phe Ile Leu Lys Leu Ile Thr Cys Pro
35 40 45

Trp Trp Thr Phe Leu Trp Trp
50 55

<210> 3812
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3812
Asp Ser Thr Leu Leu Ile Phe Leu Ile Ile Thr Leu
1 5 10

<210> 3813
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3813
Leu Asn Thr Ser Asp Phe Xaa Phe Val Tyr Cys Phe Ser Leu Ser Phe
1 5 10 15

Ser Ser Leu Ser Lys Gln Leu Leu Asp
20 25

<210> 3814
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3814
Met Asn Lys Gln Lys Arg Lys Gln Gly Thr Cys Val Ser Leu Ser Leu
1 5 10 15

Leu Phe Cys Leu Ser Leu Cys Pro Leu Ser Tyr Val Ser His Ala Val
20 25 30

Ser Cys Pro Cys Phe
35

<210> 3815
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3815
Met Leu Leu Cys Ile Leu Ile Val Cys Ile Tyr Ser Ala Tyr Val Ala
1 5 10 15

Cys Leu Gln Asn Tyr Ile Lys
20

<210> 3816
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3816
Met Pro Phe Arg Trp Ala Ala Ser Leu Ala Thr Trp Phe Gln Gly Ala
1 5 10 15

Val Leu

<210> 3817
<211> 383
<212> PRT
<213> Homo sapiens

<400> 3817
Leu Leu Leu Tyr Ala Pro Val Gly Phe Cys Leu Leu Val Leu Arg Leu
1 5 10 15

Phe Leu Gly Ile His Val Phe Leu Val Ser Cys Ala Leu Pro Asp Ser
20 25 30

Val Leu Arg Arg Phe Val Val Arg Thr Met Cys Ala Val Leu Gly Leu
35 40 45

Val Ala Arg Gln Glu Asp Ser Gly Leu Arg Asp His Ser Val Arg Val
50 55 60

Leu Ile Ser Asn His Val Thr Pro Phe Asp His Asn Ile Val Asn Leu
65 70 75 80

Leu Thr Thr Cys Ser Thr Pro Leu Leu Asn Ser Pro Pro Ser Phe Val
85 90 95

Cys Trp Ser Arg Gly Phe Met Glu Met Asn Gly Arg Gly Glu Leu Val
100 105 110

Glu Ser Leu Lys Arg Phe Cys Ala Ser Thr Arg Leu Pro Pro Thr Pro
115 120 125

Leu Leu Leu Phe Pro Glu Glu Ala Thr Asn Gly Arg Glu Gly Leu
130 135 140

Leu Arg Phe Ser Ser Trp Pro Phe Ser Ile Gln Asp Val Val Gln Pro
 145 150 155 160
 Leu Thr Leu Gln Val Gln Arg Pro Leu Val Ser Val Thr Val Ser Asp
 165 170 175
 Ala Ser Trp Val Ser Glu Leu Leu Trp Ser Leu Phe Val Pro Phe Thr
 180 185 190
 Val Tyr Gln Val Arg Trp Leu Arg Pro Val His Arg Gln Leu Gly Glu
 195 200 205
 Ala Asn Glu Glu Phe Ala Leu Arg Val Gln Gln Leu Val Ala Lys Glu
 210 215 220
 Leu Gly Gln Thr Gly Thr Arg Leu Thr Pro Ala Asp Lys Ala Glu His
 225 230 235 240
 Met Lys Arg Gln Arg His Pro Arg Leu Arg Pro Gln Ser Ala Gln Ser
 245 250 255
 Ser Phe Pro Pro Ser Pro Gly Pro Ser Pro Asp Val Gln Leu Ala Thr
 260 265 270
 Leu Ala Gln Arg Val Lys Glu Val Leu Pro His Val Pro Leu Gly Val
 275 280 285
 Ile Gln Arg Asp Leu Ala Lys Thr Gly Cys Val Asp Leu Thr Ile Thr
 290 295 300
 Asn Leu Leu Glu Gly Ala Val Ala Phe Met Pro Glu Asp Ile Thr Lys
 305 310 315 320
 Gly Thr Gln Ser Leu Pro Thr Ala Ser Ala Ser Lys Phe Pro Ser Ser
 325 330 335
 Gly Pro Val Thr Pro Gln Pro Thr Ala Leu Thr Phe Ala Lys Ser Ser
 340 345 350
 Trp Ala Arg Gln Glu Ser Leu Gln Glu Arg Lys Gln Ala Leu Tyr Glu
 355 360 365
 Tyr Ala Arg Arg Arg Phe Thr Glu Arg Arg Ala Gln Glu Ala Asp
 370 375 380

<210> 3818
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 3818
 Lys Ala Leu Tyr Thr Trp Leu Pro Ser Val Leu Pro Leu Ala Leu Ser
 1 5 10 15
 Met Arg Ser Gln Ala Leu Gly Arg Leu Cys Asn His Pro Pro Asn Leu
 20 25 30
 Val His Phe Pro Gln Val Ala Phe Leu Asn Ser Pro

35

40

<210> 3819
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3819
Lys Thr Ile Thr His Val Leu Gln Leu Leu Val Leu Leu Pro Ala His
1 5 10 15
Ser Trp Tyr Leu Ser Ile Ile Val Val Ala Ser Glu Lys Asn Ser Lys
20 25 30
Lys Lys Glu Tyr Thr
35

<210> 3820
<211> 29
<212> PRT
<213> Homo sapiens

<400> 3820
Met Ser Thr Phe Tyr Ile Phe Ile Phe Met Asn Asn Thr Val Arg Lys
1 5 10 15
Gly Ser Asn Ala Ser Cys Asn Tyr Trp Tyr Ile Lys Val
20 25

<210> 3821
<211> 123
<212> PRT
<213> Homo sapiens

<400> 3821
Tyr Trp Ala Leu Leu Arg Thr Leu Leu Ala Leu Ala Ala Phe Ser Thr
1 5 10 15
Ala Ile Ala Ala Leu Lys Leu Trp Asn Glu Asp Phe Arg Tyr Gly Tyr
20 25 30
Ser Tyr Tyr Asn Ser Ala Cys Arg Ile Ser Ser Ser Asp Trp Asn
35 40 45

Thr Pro Ala Pro Thr Gln Ser Pro Glu Glu Val Arg Arg Leu His Leu
50 55 60

Cys Thr Ser Phe Met Asp Met Leu Lys Ala Leu Phe Arg Thr Leu Gln
65 70 75 80

Ala Met Leu Leu Gly Val Trp Ile Leu Leu Leu Ala Ser Leu Ala
85 90 95

Pro Leu Trp Leu Tyr Cys Trp Arg Met Phe Pro Thr Lys Gly Lys Arg
100 105 110

Asp Gln Lys Glu Met Leu Glu Val Ser Gly Ile
115 120

<210> 3822
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3822
Met Cys Ser His Pro Leu Ala Ser Arg Ala Leu Phe Pro Gly Ile Leu
1 5 10 15
Val Lys Val Val Ser Cys Ile Pro Leu Pro Phe Tyr Leu Gly Phe Asp
20 25 30
Ile Gly Lys Val Tyr Leu Lys Thr
35 40

<210> 3823
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3823
Met Phe Met Lys Val Ser Arg Pro His Pro Ser Asp Tyr Pro Leu Leu
1 5 10 15
Ile Leu Phe Val Val Gly Gly Val Thr Val Ser Glu Val Lys Met Val
20 25 30
Lys Asp Leu Val Ala Ser Leu Lys Pro Gly Thr Gln Val Ile Val Leu
35 40 45
Ser Thr Arg Leu Leu Lys Pro Leu Asn Ile Pro Glu Leu Leu Phe Ala
50 55 60
Thr Asp Arg Leu His Pro Asp Leu Gly Phe
65 70

<210> 3824
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3824
Met Ser His His Ala Trp Leu Ser Val Leu Phe Ser Val Ser Val Pro
1 5 10 15
Ser Val Ser Ser Ala Tyr Met Phe Ser Ile Leu Ser Cys Ser Phe Ser

20

25

30

Ser Val Pro Thr Arg Tyr Phe Trp Xaa Lys Asn
35 40

<210> 3825

<211> 67

<212> PRT

<213> Homo sapiens

<400> 3825

Met Thr Lys Val Pro Ser Cys Phe Leu Leu Pro Val Leu Leu Gly
1 5 10 15

Arg Lys Arg Gly Leu Met Arg Leu His Ser Gly Ala His Ile Thr Arg
20 25 30

Cys Ile Cys Arg His Arg Ala Gly Cys Leu Gln Pro Gly Glu Gly Gln
35 40 45

Arg Glu Gly Val Tyr Glu Cys Glu Cys Val Cys Met Glu Val Gly Ala
50 55 60

Leu Gly Val
65

<210> 3826

<211> 67

<212> PRT

<213> Homo sapiens

<400> 3826

Met Thr Lys Val Pro Ser Cys Phe Leu Leu Pro Val Leu Leu Gly
1 5 10 15

Arg Lys Arg Gly Leu Met Arg Leu His Ser Gly Ala His Ile Thr Arg
20 25 30

Cys Ile Cys Arg His Arg Ala Gly Cys Leu Gln Pro Gly Glu Gly Gln
35 40 45

Arg Glu Gly Val Tyr Glu Cys Glu Cys Val Cys Met Glu Val Gly Ala
50 55 60

Leu Gly Val
65

<210> 3827

<211> 129

<212> PRT

<213> Homo sapiens

<400> 3827

Met Glu Ser Cys Ala Phe Lys Ala Ala Leu Ala Cys Val Gly Gly Phe
1 5 10 15

Val Leu Gly Gly Ala Phe Gly Val Phe Thr Ala Gly Ile Asp Thr Asn
20 25 30

Val Gly Phe Asp Pro Lys Asp Pro Tyr Arg Thr Pro Thr Ala Lys Glu
35 40 45

Val Leu Lys Asp Met Gly Gln Arg Gly Met Ser Tyr Ala Lys Asn Phe
50 55 60

Ala Ile Val Gly Ala Met Phe Ser Cys Thr Glu Cys Leu Ile Glu Ser
65 70 75 80

Tyr Arg Gly Thr Ser Asp Trp Lys Asn Ser Val Ile Ser Gly Cys Ile
85 90 95

Thr Gly Gly Ala Ile Gly Phe Arg Ala Gly Leu Lys Ala Gly Ala Ile
100 105 110

Gly Cys Gly Gly Phe Ala Ala Phe Ser Ala Ala Ile Asp Tyr Tyr Leu
115 120 125

Arg

<210> 3828

<211> 36

<212> PRT

<213> Homo sapiens

<400> 3828

Met His Asn Thr Phe Phe Asn Thr Ile Leu Ile Thr Lys His Leu Ile
1 5 10 15

Tyr Cys Tyr Phe Val Cys Phe Leu Asn Cys Ile Phe Cys Gln Cys Gly
20 25 30

Ile Ser Cys Leu
35

<210> 3829

<211> 31

<212> PRT

<213> Homo sapiens

<400> 3829

Met Lys Ser Gln Ser Ser Leu Ser Val Gly Ile Leu Arg Val Thr Leu
1 5 10 15

Cys Leu Val Pro Ser Cys Val Pro Ala Ile Asp Cys Asn Ala Gln
20 25 30

<210> 3830

<211> 46

<212> PRT

<213> Homo sapiens

<400> 3830
Met Leu Val Leu Ser Glu Gln Trp Glu Leu Val Trp Asp Leu Leu Leu
1 5 10 15
Gln Leu Pro Trp Trp Leu Lys Ile Glu Ala Leu Gly Asn Gly Ser Ser
20 25 30
Val Trp Lys Glu Thr Val His Leu Gly Phe Leu Ala Trp Arg
35 40 45

<210> 3831

<211> 55
<212> PRT
<213> Homo sapiens

<400> 3831
Met Arg Gln Gln Arg Trp Pro Arg Ser Ile Leu Leu Leu Cys Gly Glu
1 5 10 15
Leu Cys Phe Ser Leu Val Thr Ile Gly Lys Gly Ser Cys Ser Tyr Val
20 25 30
Ser Leu Pro Val Pro Gln Ser Phe Val His Gly Val Gly His His Leu
35 40 45
Leu Pro Ile Gln Gly Asn Asp
50 55

<210> 3832

<211> 51
<212> PRT
<213> Homo sapiens

<400> 3832
Met Pro Arg Ala Trp Trp Pro Ser Tyr Thr Cys Ser Leu Leu Cys Leu
1 5 10 15
Ser Ile Ser Val His Gln Phe Asp Ser Gln Thr Met Phe Pro Ser Lys
20 25 30
Trp Leu Trp Ser Arg Asn Glu Lys Glu Ser Ser Ser Leu Gly Lys Ser
35 40 45
Lys Arg Lys
50

<210> 3833

<211> 51
<212> PRT
<213> Homo sapiens

<400> 3833
Met Asn Pro Phe Ile Phe Asn Val Ile Thr Asp Thr Val Gln Phe Lys

1 5 10 15

Ser Ser Ile Leu Leu Leu Thr Phe Ala Ser Ile Phe Leu Ser Ser Phe
20 25 30

Pro Ala Phe Ser Tyr Phe Asn Gln Ile Val Leu Thr Ile Ser Leu His
35 40 45

His Val Phe
50

<210> 3834

<211> 44

<212> PRT

<213> Homo sapiens

<400> 3834

Met Arg Gln Asn Phe Val Ala Gln Phe Val Gln Leu Leu Lys Cys Trp
1 5 10 15

Leu Cys Asp Val Trp Ser Gly Val Val Val Glu Lys Asn Trp Ala Pro
20 25 30

Ser Val Asp Gln Cys Gln Leu Gln Val Leu Gln Phe
35 40

<210> 3835

<211> 45

<212> PRT

<213> Homo sapiens

<400> 3835

Met Ser Leu Leu Val Met Ser Leu Cys Tyr Phe Leu Gly Glu Leu Phe
1 5 10 15

Glu Leu Ser Ala Phe Asn Leu Pro Phe Val His Arg Ala Arg Pro Pro
20 25 30

Val Thr Thr Val Glu Ala Gly Gly Glu Leu Leu Tyr Pro
35 40 45

<210> 3836

<211> 40

<212> PRT

<213> Homo sapiens

<400> 3836

Met Cys Leu His Leu Leu Leu Ala Ile Ser Gly Ile Leu Asn Leu His
1 5 10 15

Cys His Leu Val Leu Cys Ser Cys Gly Arg Tyr Thr Gln Lys Thr Gln
20 25 30

Ala Asn Thr Thr Trp Val Thr Ser
35 40

<210> 3837
<211> 40
<212> PRT
<213> Homo sapiens

<400> 3837
Met Cys Leu His Leu Leu Ala Ile Ser Gly Ile Leu Asn Leu His
1 5 10 15
Cys His Leu Val Leu Cys Ser Cys Gly Arg Tyr Thr Gln Lys Thr Gln
20 25 30
Ala Asn Thr Thr Trp Val Thr Ser
35 40

<210> 3838
<211> 343
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (184)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (300)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (307)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3838
Met Tyr Ile Ser Pro Glu Glu Phe Lys Pro Ile Ala Glu Lys Leu Thr
1 5 10 15
Gly Ser Thr Pro Ala Ala Ser Tyr Glu Glu Glu Glu Leu Pro Pro Asp
20 25 30
Pro Ser Glu Glu Thr Leu Thr Ile Glu Ala Arg Phe Gln Pro Leu Leu
35 40 45
Pro Glu Thr Met Thr Lys Ser Lys Asp Gly Phe Leu Gly Val Ser Arg

50

55

60

Leu Ala Leu Ser Gly Leu Arg Asn Trp Thr Ala Ala Ala Ser Pro Ser
 65 70 75 80

Ala Val Phe Ala Thr Arg His Phe Gln Pro Phe Leu Pro Pro Pro Gly
 85 90 95

Gln Glu Leu Gly Glu Pro Trp Trp Ile Ile Pro Ser Glu Leu Ser Met
 100 105 110

Phe Thr Gly Tyr Leu Ser Asn Asn Arg Phe Tyr Pro Pro Pro Pro Lys
 115 120 125

Gly Lys Glu Val Ile Ile His Arg Leu Leu Ser Met Phe His Pro Arg
 130 135 140

Pro Phe Val Lys Thr Arg Phe Ala Pro Gln Gly Ala Val Ala Cys Leu
 145 150 155 160

Thr Ala Ile Ser Asp Phe Tyr Tyr Thr Val Met Phe Arg Ile His Ala
 165 170 175

Glu Phe Gln Leu Ser Glu Pro Xaa Asp Phe Pro Phe Trp Phe Ser Pro
 180 185 190

Ala Gln Phe Thr Gly Xaa Ile Ile Leu Ser Lys Asp Ala Thr His Val
 195 200 205

Arg Xaa Phe Arg Leu Phe Val Pro Asn His Arg Ser Leu Asn Val Asp
 210 215 220

Met Glu Trp Leu Tyr Gly Ala Ser Glu Ser Ser Asn Met Glu Val Asp
 225 230 235 240

Ile Gly Tyr Ile Pro Gln Met Glu Leu Glu Ala Thr Gly Pro Ser Val
 245 250 255

Pro Ser Val Ile Leu Asp Glu Asp Gly Ser Met Ile Asp Ser His Leu
 260 265 270

Pro Ser Gly Glu Pro Leu Gln Phe Val Phe Glu Glu Ile Lys Trp Ala
 275 280 285

Ala Gly Ala Glu Leu Gly Gly Cys Pro Ala Xaa Gly Gly His
 290 295 300

Val Pro Xaa Gln Glu Val Ser Tyr Leu Pro Phe Thr Glu Ala Phe Asp
 305 310 315 320

Arg Ala Lys Ala Glu Asn Lys Leu Val His Ser Ile Leu Leu Trp Gly
 325 330 335

Ala Leu Asp Asp Gln Ser Cys
 340

<210> 3839
 <211> 55
 <212> PRT

<213> Homo sapiens

<400> 3839

Met Thr Phe Gly Glu Tyr Val Ala Leu Ile Phe Phe Thr Leu Ile Ile
1 5 10 15

Phe Leu Ser Ser Arg Gln Pro Ile Ala Pro Trp Arg Pro His Gln Pro
20 25 30

Cys Lys Phe Ser Pro Ala Ala Trp Arg Leu Gly Arg Gly Ala Ala Val
35 40 45

Thr Arg Arg Tyr Thr Arg Leu
50 55

<210> 3840

<211> 52

<212> PRT

<213> Homo sapiens

<400> 3840

Met Thr Leu His Val Ser Arg Leu Trp Cys Cys Cys Pro Lys Lys Gly
1 5 10 15

Gln Ala Trp Ser Ala Tyr Gly Ala Leu Leu Trp Cys Tyr Leu Ala Pro
20 25 30

Val Ser Leu Glu Ser Glu Glu Val Trp Pro Leu Lys Ile Lys Leu Pro
35 40 45

Pro Glu Leu Leu
50

<210> 3841

<211> 51

<212> PRT

<213> Homo sapiens

<400> 3841

Met Tyr Phe Pro Cys Arg Trp Leu Leu Pro Ser Val Leu Gly Tyr Leu
1 5 10 15

Ala Met Glu Leu Leu Arg Gln Ser Leu Pro Arg Trp Arg Ser Ser Gln
20 25 30

Cys Leu His Leu Pro Ile Arg Asn Thr Arg Cys Leu Pro Trp Cys Lys
35 40 45

Val Pro Arg
50

<210> 3842

<211> 16

<212> PRT

<213> Homo sapiens

<400> 3842
Met Leu Leu Gly Asn Leu Ile Ala Thr Met Gln Ala Thr Gly Asn Leu
1 5 10 15

<210> 3843
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3843
Met Phe Trp Glu Val Leu Phe Ile Val Cys Phe Pro Thr Phe Ala Leu
1 5 10 15
Ile Thr Arg Leu Ser Ser Leu Ile Ile Glu Thr Met Ser Leu Tyr Leu
20 25 30
Val Pro Ser Ile Val Pro Ser Thr Gln Cys Met His Ser Leu Leu Val
35 40 45

<210> 3844
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3844
Met Arg Leu Phe Val Leu Leu Leu Met Thr
1 5 10

<210> 3845
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3845
Ile
1

<210> 3846
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3846
Met Gly Gly Ile Gln Tyr Cys Met Trp Gly His Pro Gly Trp Gly Gly
1 5 10 15

Asp Ala Trp His Pro Ser Leu His Ser Pro Ala Arg Pro Gly Gly Val
20 25 30

<210> 3847
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3847
Met Val Ile Ile Glu Met Leu Leu Lys Ile Leu Trp Val Val Phe Trp
1 5 10 15

Ala Gly Tyr Pro Cys
20

<210> 3848
<211> 7
<212> PRT
<213> Homo sapiens

<400> 3848
Asp Val His Met Arg Ser Arg
1 5

<210> 3849
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3849
Met Arg Ser Pro Leu Ser Ala Ser Ala Leu Leu Leu Trp Xaa Ser Ser
1 5 10 15

Val Ala Arg Ala Phe Ser Ser Pro Ser Leu Leu Met Ala Val Pro Ser
20 25 30

Pro Thr Cys Ser Arg Tyr
35

<210> 3850
<211> 38
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3850
Met Arg Ser Pro Leu Ser Ala Ser Ala Leu Leu Leu Trp Xaa Ser Ser
1 5 10 15

Val Ala Arg Ala Phe Ser Ser Pro Ser Leu Leu Met Ala Val Pro Ser
20 25 30

Pro Xaa Cys Ser Arg Tyr
35

<210> 3851
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3851
Met Arg Ser Pro Leu Ser Ala Ser Ala Leu Leu Leu Trp Xaa Ser Ser
1 5 10 15

Val Ala Arg Ala Phe Ser Ser Pro Ser Leu Leu Met Ala Val Pro Ser
20 25 30

Pro Xaa Cys Ser Arg Tyr
35

<210> 3852
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3852

Met Arg Ser Pro Leu Ser Ala Ser Ala Leu Leu Leu Trp Xaa Ser Ser
1 5 10 15

Val Ala Arg Ala Phe Ser Ser Pro Ser Leu Leu Met Ala Val Pro Ser
20 25 30

Pro Xaa Cys Ser Arg Tyr
35

<210> 3853

<211> 41

<212> PRT

<213> Homo sapiens

<400> 3853

Ile Ser Ser Leu Val Gly Asn Leu Ala Thr Ile Gln Lys Phe Lys Ile
1 5 10 15

Tyr Cys Gln Pro Ser Arg Phe Trp Asn Thr Ser Pro Ser Ile Arg Thr
20 25 30

Gly Trp Arg Pro Val Asp Thr Pro Lys
35 40

<210> 3854

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3854

Met Thr Ala Trp Tyr Ile Trp Val Thr Cys Val Gly Ser Leu Leu
1 5 10 15

<210> 3855

<211> 60

<212> PRT

<213> Homo sapiens

<400> 3855

Met Ala Val Leu Leu Leu Ala Leu Leu Thr Ala Ala Leu Ile Leu
1 5 10 15

Tyr Arg Arg Arg Gln Ser Ile Glu Arg Gly Ala Phe Glu Gly Ala Arg
20 25 30

Tyr Ser Arg Ser Ser Ser Pro Thr Glu Ala Thr Glu Lys Asn Ile
35 40 45

Leu Val Ser Asp Met Glu Met Asn Glu Gln Gln Glu
50 55 60

<210> 3856
<211> 61
<212> PRT
<213> Homo sapiens

<400> 3856
Met Asn Tyr Arg Cys Leu Thr Phe Lys Ile Tyr Phe Val Leu Leu Ile
1 5 10 15
Ser Ser His Cys Val Asn Thr Gly Ser Cys Arg Ser Leu Leu Gly Arg
20 25 30
Asn Lys Phe Ile Tyr Phe Leu Arg Gly Ser Ser Gly Val Leu Ile Arg
35 40 45
Pro Leu Leu Cys Leu Gly Gly Ala Leu Val Leu Leu Ala
50 55 60

<210> 3857
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3857
Met Gly Phe Val Val Leu Leu Leu Cys Gln Val Pro Leu Gly Gln Leu
1 5 10 15
Gly

<210> 3858
<211> 146
<212> PRT
<213> Homo sapiens

<400> 3858
Met Val Val Trp Tyr Leu Phe Gln Ile Val Ser Ala Val Ser Cys Ile
1 5 10 15
His Lys Ala Gly Ile Leu His Arg Asp Ile Lys Thr Leu Asn Ile Phe
20 25 30
Leu Thr Lys Ala Asn Leu Ile Lys Leu Gly Asp Tyr Gly Leu Ala Lys
35 40 45
Lys Leu Asn Ser Glu Tyr Ser Met Ala Glu Thr Leu Val Gly Thr Pro
50 55 60
Tyr Tyr Met Ser Pro Glu Leu Cys Gln Gly Val Lys Tyr Asn Phe Lys
65 70 75 80
Ser Asp Ile Trp Ala Val Gly Cys Val Ile Phe Glu Leu Leu Thr Leu
85 90 95
Lys Arg Thr Phe Asp Ala Thr Asn Pro Leu Asn Leu Cys Val Lys Ile
100 105 110

Val Gln Gly Ile Arg Ala Met Glu Val Asp Ser Ser Gln Tyr Ser Leu
115 120 125

Glu Leu Ile Gln Met Val His Ser Cys Leu Asp Gln Val Gln Glu Pro
130 135 140

Leu Pro
145

<210> 3859
<211> 54
<212> PRT
<213> Homo sapiens

<400> 3859
Met Leu Ala Phe Ile Cys Ser Ile Ser Ser Leu Leu Gly Cys Phe Trp
1 5 10 15
Gly Ile Thr Cys Leu Ser Ser Lys Leu Glu Thr Ser Asn Ser Pro Gly
20 25 30
Asp Ala Val Ala Leu Phe Val Gly Gln Trp His Leu Leu Val Val Cys
35 40 45
Asn Val Tyr Ser Leu Val
50

<210> 3860
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3860
Met Tyr Gln Tyr Tyr Ile Pro Leu His Cys Leu Ile Ile Ile Ile Ile
1 5 10 15
Ile Val His Cys Met Gly Ile Pro Arg Leu
20 25

<210> 3861
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3861
Met Ala Arg Ala Ala Thr Gly Ala Gly Lys Ala Thr Trp Thr Leu Phe
1 5 10 15
Cys Trp Leu Met Ala Pro Arg Ala Cys Val His Lys Thr Ser Ser
20 25 30

<210> 3862

<211> 23
<212> PRT
<213> Homo sapiens

<400> 3862
Met Gly Leu Phe Leu Leu Phe Leu Leu Arg Val Gly Val Gly Cys Val
1 5 10 15

Ile Cys Lys Tyr Phe Cys Ala
20

<210> 3863
<211> 62
<212> PRT
<213> Homo sapiens

<400> 3863
Leu Glu Cys Trp Lys Asp Met Ile Arg Ala Ala Cys Ser Ser Gln Lys
1 5 10 15

Ser Val Ser Thr Ile Lys Trp Met Pro Asn His Gln Thr His Lys Cys
20 25 30

Ser Arg Cys Val Pro Gly Tyr Gly Ile Ser Arg Tyr Lys Lys Tyr Phe
35 40 45

Asn Tyr Ser Phe Val Ile Asn Ile Thr Tyr Glu Lys Lys Ile
50 55 60

<210> 3864
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3864
Met Tyr Ile Leu Phe Leu Ser Ser Val Leu Ile Met Gly Ala Phe Leu
1 5 10 15

Lys Leu Ile Ser Tyr Phe Pro Ile Tyr Ile
20 25

<210> 3865
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3865
Met Leu Leu Ala Tyr His Ile Phe Ile Ser Val Ser Ile Cys Arg Leu
1 5 10 15

Leu Gly Pro Gly Asn Asp Ser Gly Glu Phe Pro Ser Leu Val Ser Gly
20 25 30

Ile Tyr Ser His Leu
35

<210> 3866
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3866
Met Ser Thr Leu Phe Thr Trp Leu Met Val Leu Arg Tyr Leu Leu Pro
1 5 10 15
Asn Ser Cys Phe Val Leu Asn Arg Pro Ser Phe Cys Asn Pro Phe Gly
20 25 30
Thr Ser Pro Ile Ser Cys Arg Lys Ala Ser Ser
35 40

<210> 3867
<211> 70
<212> PRT
<213> Homo sapiens

<400> 3867
Met Pro Asn Gly His Trp His Trp Ala Cys Leu Cys His Trp Gly Ser
1 5 10 15
Thr Gln Ala Val Ser Ile Cys Ala Thr Leu Ala Phe Pro Ser Arg Ser
20 25 30
Ser Arg Arg Trp Ala Ser Thr Thr Arg Pro Leu Ala Ala Ser Leu
35 40 45
Leu Ser His Cys Thr Leu Leu Arg Gly Phe Leu Arg Arg Gln Asp Ser
50 55 60
Ala Val Pro Cys Cys Ser
65 70

<210> 3868
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3868
Met Thr Ser Ile Thr Ser His Val Leu Val Thr Val Leu Leu Ile Ile
1 5 10 15
Ser Leu Ser Thr Gln Thr Leu Glu Thr Val Ser Leu Thr Arg Ser Arg
20 25 30

Glu

<210> 3869

<211> 23
<212> PRT
<213> Homo sapiens

<400> 3869
Met Ala Cys Ile Leu Phe Leu Asn Ala Phe Leu Leu Ile Pro Ile Leu
1 5 10 15

Leu Gly Ile Trp Thr Phe Tyr
20

<210> 3870
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3870
Met Lys Ser Phe Gln Ile Pro Leu Phe Phe Phe Pro Asn Gly Phe His
1 5 10 15

Met Cys Leu Lys Tyr Leu Tyr Phe Glu Leu Ser Asp Phe Pro Cys Pro
20 25 30

Pro Phe Ser Phe Val Pro Ser Leu Ser Gln His Gln Ser Arg Ile Gln
35 40 45

Asn Leu Pro Val Lys Gly Gln Pro Ser Phe
50 55

<210> 3871
<211> 28
<212> PRT
<213> Homo sapiens

<400> 3871
Met Leu Val Gly Ala Ala Leu Pro Leu Val Pro Gly Val Ala Ser Ala
1 5 10 15

Gln Ser Gln Arg Ala Gly Ser Arg Val Leu His Arg
20 25

<210> 3872
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3872
Met Ser Asn Ala Glu Leu Ala Leu Leu Phe Ile Ile Leu Thr Val
1 5 10 15

Gly His Tyr Ala Val Val Trp Ser Ile Tyr Leu Gly Lys Thr Thr Gly
20 25 30

<210> 3873
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3873
Met Val Ser Gly Leu Ile Lys His Ser Asn Trp Leu Cys Phe Thr Leu
1 5 10 15
Ala Leu Val His Ala Lys Cys Ser Ile Ser Phe Ser Leu Leu His Cys
20 25 30
Ser Phe Ala Met Leu Leu Cys Ser Gly Leu Asp Val Ile Phe
35 40 45

<210> 3874
<211> 24
<212> PRT
<213> Homo sapiens

<400> 3874
Met Trp Phe Leu Ser Leu Leu Leu Ser Phe Ile Cys Phe Leu Ile Ser
1 5 10 15
Ala Glu Tyr Glu Ile Cys Leu Phe
20

<210> 3875
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3875
Met Ala Ala Pro Gly Trp Pro Gly Pro Arg Ser Ala Ser Val Val Ala
1 5 10 15
Leu Thr Phe Asp Lys Ser Phe Pro Cys Leu Cys Leu Gly Cys Pro Ile
20 25 30

<210> 3876
<211> 55
<212> PRT
<213> Homo sapiens

<400> 3876
Gly Leu Pro Phe Cys Leu Val Leu Ala Cys Ile Leu Pro Cys Tyr His
1 5 10 15
Leu Leu Leu Phe Leu Pro Arg Trp Phe Val Lys Asn Lys Ser Pro Gly

20

25

30

Cys Met Cys Pro Leu Ile His Ser Val Trp Ala Lys Glu Asn Glu Ala
35 40 45

Leu Met Val Thr Trp Cys Phe
50 55

<210> 3877
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3877
Met Tyr Cys Leu Ser Ala Ile Leu Ile
1 5

<210> 3878
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3878
Met Ala Leu Ser His Leu Leu Leu His Ser Arg Pro Leu Leu Glu Val
1 5 10 15
Cys Leu Ser His Val Leu Leu Ser Pro His Glu Arg Pro Leu Leu Leu
20 25 30
Phe Pro Cys Leu Leu Ser Gly Leu Ser Gly Ala Val Leu Arg Val Leu
35 40 45

Leu Gly
50

<210> 3879
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3879
Phe Cys Thr Val Cys Leu Leu Thr Phe Ile Glu His Ile Leu Pro Ser
1 5 10 15
Ser Ile Arg Ile Thr His Leu Met Val Arg Lys Ser Cys Trp Glu Tyr
20 25 30

Asp Ser

<210> 3880
<211> 57
<212> PRT

<213> Homo sapiens

<400> 3880

Met Ala Ala Ile Trp His Phe Ala Phe Cys Thr Tyr Leu Asp Val Leu
1 5 10 15

Asp Ile Ser Pro Arg Pro Leu Ile Asp Asn Cys Pro Gly Val Phe Leu
20 25 30

Ala Ala Glu Met Met Trp Thr Glu Phe Ile Trp Pro Ile Pro Arg Gln
35 40 45

Trp Pro Leu Arg Leu Phe Pro Lys Phe
50 55

<210> 3881

<211> 72

<212> PRT

<213> Homo sapiens

<400> 3881

Met Arg Ala Gly Thr Phe Asp Trp Phe Ala Val Ala Cys Gln Glu Leu
1 5 10 15

Tyr Leu Leu Arg Ala Gln Met Thr Glu Ser Val Gln Pro Ser Val Ile
20 25 30

His Leu Phe Ser Leu Phe Leu Phe Pro Tyr Arg Val Cys Glu Pro Leu
35 40 45

Leu Thr Lys Tyr Gln Ser Gly Pro Ser Pro Ala His Val Lys Glu Glu
50 55 60

Gly Ala Val Gly Leu Arg Pro His
65 70

<210> 3882

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3882

Met Thr Thr Val Ser Pro Ile Pro Ile Ser Cys Leu Phe Ala Ala
1 5 10 15

<210> 3883

<211> 23

<212> PRT

<213> Homo sapiens

<400> 3883

Met Leu Val Gly Val Val Asp Val Ser Cys Leu Leu Trp Pro Ser Leu
1 5 10 15

Pro Leu Leu Pro Glu Asn Thr

<210> 3884
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 3884
 Thr Leu Ala Gln Glu His Arg Ser Arg Gly Leu Ala Trp Ser Thr Arg
 1 5 10 15
 Pro Pro Leu Cys Lys Ala Pro Glu Gly Pro Arg Gly Cys Gly Leu Ile
 20 25 30
 Arg Arg Leu His Leu Trp Thr Gly Leu His Thr Arg Ser Tyr Arg Thr
 35 40 45
 Ala Ile Cys Leu Pro Cys Arg Gly Arg Trp Pro
 50 55

<210> 3885
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 3885
 Met Gln Ser Arg Glu Pro Pro Pro Val Cys Phe Met Ala Met Val Leu
 1 5 10 15
 Ser Ala Cys Val Phe Ser Phe Leu Asn Arg Leu Phe Ser Gly Ser
 20 25 30
 Leu Ile Ser Leu Ser Ala Ser Arg Ser Leu Phe Cys Leu Gly Cys Phe
 35 40 45
 Ser Pro Ala Val Pro Ser Thr Arg Phe Pro Gly Ser Cys Pro Pro Arg
 50 55 60
 Ala Leu Pro Gln Gly Ser Thr Thr Pro Arg Cys Ser Pro Thr Ala Leu
 65 70 75 80
 Ser Gly Arg Pro Pro Val
 85

<210> 3886
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 3886
 Met Leu His Cys Phe Lys Lys Lys Lys Met Leu Met Ile Val Leu Gly
 1 5 10 15
 Leu Gln Ala

<210> 3887
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3887
Met Met Leu Ala Leu Phe Ile Val Leu Leu Leu Ile Pro Pro Arg Gln
1 5 10 15

Asn Glu Asn Gln Met Pro Phe Pro Glu Gly Leu Ser Glu Gly Phe Gly
20 25 30

Pro

<210> 3888
<211> 48
<212> PRT
<213> Homo sapiens

<400> 3888
Met Gly Leu Gln Val Thr Pro Pro Leu Ser Phe Thr Gly Leu Trp Phe
1 5 10 15

Val Val Met Ala Asn Met Gly Trp Gln Arg Thr Ile Leu Thr Lys Val
20 25 30

Glu Ala Leu Gln His Gly Val Gln Pro Leu Ser Met Asp Ser Gly Pro
35 40 45

<210> 3889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3889
Met Gly Cys Pro Gly Leu Glu Gly Thr Leu Phe Leu Pro Pro Pro Leu
1 5 10 15

Pro Asn Leu Ser
20

<210> 3890
<211> 98
<212> PRT
<213> Homo sapiens

<400> 3890
Met Asn Thr Lys Gly Arg Asp Phe His Leu Ala Val Phe Val Phe Pro

1

5

10

15

Gln Pro Ser Met Val Arg Gly Ser Arg Asn Gly Cys Leu Ile Thr Ala
20 25 30

Val Thr Pro Ser Arg Lys Asp Ser Gln Arg Asn Cys Ser Leu Lys Lys
35 40 45

Lys Lys Ile His Lys Val Gly Cys Thr Leu Lys Val Leu Arg Arg Ala
50 55 60

Ser Val Leu Glu Asn Leu Pro Glu Ile Leu Lys Ala Tyr Lys Lys Gly
65 70 75 80

Glu Ser Ser Lys Leu Asn Phe Asp Ser His Gly Trp Gly Leu Tyr Leu
85 90 95

Phe Leu

<210> 3891

<211> 21

<212> PRT

<213> Homo sapiens

<400> 3891

Met Glu Thr Ser Gly Leu Val Trp Leu Leu Leu Glu Lys Leu Gly
1 5 10 15

Ala Lys Ala Ala Ser
20

<210> 3892

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3892

Met Gly Gly Val Ser Gly Phe Ser Val Ala
1 5 10

<210> 3893

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3893
Met Ala Leu Gln Trp Phe Cys Ile Leu Val Gly Asn Leu Phe Trp Phe
1 5 10 15

Ile Leu Ala Phe Pro Gln Pro Ser Cys Trp Phe Phe Gly Lys Met Trp
20 25 30

His Pro Xaa Gln Thr Xaa
35

<210> 3894
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3894
Met Ala Leu Tyr Ala Gly Phe Leu Leu Trp Ala Gly His Leu Gln Glu
1 5 10 15

Gly Tyr Ser Trp Arg Asn Gly Trp Gly Xaa Val Ala Val Asp Ser Ser
20 25 30

Leu Gly Pro Glu Arg Ile Glu Ser Glu Leu Gly Lys Leu Gln Ser Glu
35 40 45

Leu Lys Ser Arg Asn Pro Val Gly Gly Lys Tyr
50 55

<210> 3895
<211> 141
<212> PRT
<213> Homo sapiens

<400> 3895
His Ser Leu Leu Leu Leu Leu Leu Thr Leu Leu Gly Leu Gly Leu
1 5 10 15

Val Gln Pro Ser Tyr Gly Gln Asp Gly Met Tyr Gln Arg Phe Leu Arg
20 25 30

Gln His Val His Pro Glu Glu Thr Gly Gly Ser Asp Arg Tyr Cys Asn
35 40 45

Leu Met Met Gln Arg Arg Lys Met Thr Leu Tyr His Cys Lys Arg Phe
50 55 60

Asn Thr Phe Ile His Glu Asp Ile Trp Asn Ile Arg Ser Ile Cys Ser
65 70 75 80

Thr Thr Asn Ile Gln Cys Lys Asn Gly Lys Met Asn Cys His Glu Gly
85 90 95

Val Val Lys Val Thr Asp Cys Arg Asp Thr Gly Ser Ser Arg Ala Pro
100 105 110

Asn Cys Arg Tyr Arg Ala Ile Ala Ser Thr Arg Arg Val Val Ile Ala
115 120 125

Cys Glu Gly Asn Pro Gln Val Pro Val His Phe Asp Gly
130 135 140

<210> 3896

<211> 68

<212> PRT

<213> Homo sapiens

<400> 3896

Met Trp Arg Gly Val Ala Arg Gly Arg Lys Arg Lys Cys Leu Val Leu
1 5 10 15

Phe Cys Ser Pro Ala Leu Leu Ser Gln Gln Leu Phe Val Ile Val Val
20 25 30

Val Val Leu Arg Gln Val Pro Pro Gly Ala Cys Gly Ile Leu Leu Pro
35 40 45

Val Ser Val Ser Lys Cys His Arg Pro Pro Ile Ala Thr Tyr Ser Trp
50 55 60

His Cys Thr Phe
65

<210> 3897

<211> 16

<212> PRT

<213> Homo sapiens

<400> 3897

Met Phe Gln Ser Val Ser Leu Thr Tyr Leu His Phe Lys Tyr Gly Leu
1 5 10 15

<210> 3898

<211> 29

<212> PRT

<213> Homo sapiens

<400> 3898

Met Ala Val Arg Phe Glu Ala Leu Gln Ser Cys Gly Thr Pro Trp Cys
1 5 10 15

Val Cys Ser Val Leu Gly Thr Cys Met Gly Thr His Arg
20 25

<210> 3899
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3899
Met Leu His Leu Ser Ser Phe Leu Val Tyr Phe Ala Asn Trp Leu Leu
1 5 10 15

Asn Ser Glu Thr Trp Ser Asp Ser Gly Ser Val Ser Leu Ala Ile Leu
20 25 30

<210> 3900
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3900
Met Phe Ser Ile Ile Ala Phe Pro Leu Ile Leu Leu Thr Cys Cys
1 5 10 15

<210> 3901
<211> 72
<212> PRT
<213> Homo sapiens

<400> 3901
Met Ile Ser Ser Gly Ser Ser Arg Tyr Ala Glu Thr Trp Asp Leu Leu
1 5 10 15

Leu Phe Leu Arg Leu Thr Cys Cys Ala His Cys Ala Trp Thr Pro Trp
20 25 30

His Asp Ala Gly Arg Gly Cys Arg Thr His Thr Ser Phe Glu Val Arg
35 40 45

Gln Ser Thr Asn Pro Ser Ser Thr Thr His Ser Phe Ser Ser Ser Gln
50 55 60

Leu Cys Gly Leu Gly Gln Ile Ala
65 70

<210> 3902
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3902
Leu Leu Leu Val Leu Leu Ile Phe Val Ala Ser Ala His Gly Ala Leu
1 5 10 15

Val Ser Pro Gln Ser Asn Gly Gly Ser Pro Lys Gln Leu His Tyr Arg
20 25 30

Val Ile Leu Gly Lys
35

<210> 3903
<211> 25
<212> PRT
<213> Homo sapiens

<400> 3903
Met Phe Glu Ile Arg Thr Ala Leu Ser Leu Arg Leu Ile Pro Leu Phe
1 5 10 15

Val Ser Thr Cys Gly Val Thr Gln Lys
20 25

<210> 3904
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3904
Met Leu Val Ala Phe Leu Val Tyr Phe Ser Phe Pro Tyr Leu Ala
1 5 10 15

Phe Val Gly Pro Lys Pro Thr Asn Asn Arg Leu Leu Lys Glu
20 25 30

<210> 3905
<211> 66
<212> PRT
<213> Homo sapiens

<400> 3905
Met Leu Ser Tyr Val Val Leu Met Phe Ile Leu Lys Leu Val Thr Phe
1 5 10 15

Pro Arg Lys Ile Leu Phe Asp Ser Ile Thr Ser Leu Asp Ile Ile Leu
20 25 30

Asn Gln Ser Gly Lys Glu Lys Lys Tyr Arg Lys Tyr Tyr Asn Leu Cys
35 40 45

Phe His His Lys Ile Phe Cys Ile Ser Ile Leu Leu Gln Tyr Gly Arg
50 55 60

Arg Leu
65

<210> 3906

<211> 70
<212> PRT
<213> Homo sapiens

<400> 3906
Met Leu Gly Phe Leu Thr Phe Arg Ser Leu Thr Trp Ile Arg Leu Gly
1 5 10 15

Ala Ala Gln Trp Ser Arg Trp Val Pro Val Ser Leu Val Ile Arg Arg
20 25 30

Gly Leu Gly Val Gly Arg Ala Pro Glu Ser Gln Gln Cys Ala Trp Ala
35 40 45

Pro Thr Pro Ser Ser Thr Cys His Thr Ser Glu Gly Ser Tyr Ser Cys
50 55 60

Thr Gln Ala Val Glu Ser
65 70

<210> 3907
<211> 30
<212> PRT
<213> Homo sapiens

<400> 3907
Met Tyr Ile Lys Ser Pro Cys Cys Ala Cys Leu Ile Tyr Val Ile Phe
1 5 10 15

Ile Cys Gln Leu Cys Leu Thr Lys Ala Cys Gly Trp Gly Glu
20 25 30

<210> 3908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3908
Met Leu Leu Leu Tyr Phe Phe Gln His Ile Gln Pro Ser Pro Trp Gly
1 5 10 15

Ala Phe His Ile
20

<210> 3909
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3909
Met Phe Pro Ser Trp Pro Phe Leu Trp Leu Thr Leu Cys Ser Leu Cys
1 5 10 15

Ile Cys

<210> 3910
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3910
Met Glu Lys Cys Glu Lys Leu Asn Cys Leu Glu Met Ser Arg Phe Phe
1 5 10 15

Tyr Leu Gln Leu Leu Leu Ala Cys Pro Thr Val Val Phe Glu Tyr Phe
20 25 30

Leu Tyr Ser Thr Pro Lys Asp Phe Asn Phe
35 40

<210> 3911
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3911
Met Phe Tyr Phe Met Asn Leu Thr Lys Phe Phe Phe Leu Asp Leu Ala
1 5 10 15

Asn Phe Asn Arg Val Phe Ser Tyr Gln Thr Phe Thr Tyr Leu Leu Lys
20 25 30

Leu His Ser Cys Lys Leu Phe Gly Gly Ile Cys Phe Tyr Phe Tyr Phe
35 40 45

Val Val
50

<210> 3912
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3912
Leu Asn Asp Gly Leu Cys Trp Phe Phe Cys Leu Phe Gly Trp Phe Val
1 5 10 15

Cys Leu Phe Trp His Ser Val Lys Gly Ser Gln Thr Phe Thr Tyr Tyr
20 25 30

Leu Leu Ser Cys Pro
35

<210> 3913
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3913
Leu Asn Asp Gly Leu Cys Trp Phe Phe Cys Leu Phe Gly Trp Phe Val
1 5 10 15
Cys Leu Phe Trp His Ser Val Lys Gly Ser Gln Thr Phe Thr Tyr Tyr
20 25 30
Leu Leu Ser Cys Pro
35

<210> 3914
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3914
Met Thr Cys Ala Arg Ser Pro Leu Ala Leu Pro Thr Pro Leu Phe Phe
1 5 10 15
Phe Leu Leu Ile Leu Tyr Ser Gln Lys Arg Ile Ser Phe Ser Ser Phe
20 25 30
Phe His Ser Leu Lys Phe
35

<210> 3915
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3915
His Leu Phe Tyr Leu Gly Phe Ile His Leu Leu Glu Cys Val Gly Leu
1 5 10 15
His Leu Leu Pro Lys Leu Gly Ser Phe Lys Ala Phe Phe Leu Gln Ile
20 25 30
Tyr Phe

<210> 3916
<211> 140
<212> PRT
<213> Homo sapiens

<400> 3916
Ser Gln Leu Phe Gly Trp Leu Leu Ile Gly Val Val Ala Ile Leu Val
1 5 10 15
Phe Leu Thr Lys Cys Leu Lys His Tyr Cys Ser Pro Leu Ser Tyr Arg
20 25 30
Gln Glu Ala Tyr Trp Ala Gln Tyr Arg Ala Asn Glu Asp Gln Leu Phe
35 40 45

Gln Arg Thr Ala Glu Val His Ser Arg Val Leu Ala Ala Asn Asn Val
50 55 60

Arg Arg Phe Phe Gly Phe Val Ala Leu Asn Lys Asp Asp Glu Glu Leu
65 70 75 80

Ile Ala Asn Phe Pro Val Glu Gly Thr Gln Pro Arg Pro Gln Trp Asn
85 90 95

Ala Ile Thr Gly Val Tyr Leu Tyr Arg Glu Asn Gln Gly Leu Pro Leu
100 105 110

Tyr Ser Arg Leu His Lys Trp Ala Gln Gly Leu Ala Gly Asn Gly Ala
115 120 125

Ala Pro Asp Asn Val Glu Met Ala Leu Leu Pro Ser
130 135 140

<210> 3917
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3917
Met Gln Glu Ser Pro Ser Gln Leu Leu Ser Ser
1 5 10

<210> 3918
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3918
Met Gln Ser Val Ser Phe Leu Val Val Ser Phe Leu Gly Gln Cys Phe
1 5 10 15

Phe Val Phe Phe Leu Glu Met Phe Val Leu Pro Pro Pro Val Asp Pro
20 25 30

Gly

<210> 3919
<211> 79
<212> PRT
<213> Homo sapiens

<400> 3919
Met Pro Leu Arg Arg Ser Gly Gly Phe Glu Tyr Leu Ser Leu Pro Pro
1 5 10 15

Ile Gln Glu Ile Gln Ser Leu Val Ser Leu Ser Leu Ser Val Ser Phe
20 25 30

Phe Leu Phe Leu Pro Pro Asn Pro Ser His Ser Leu Pro Pro Ser Leu
35 40 45

Leu Pro Leu Phe Ala Ile Ile Phe Ser Leu Cys Phe Phe Ser Leu Leu
50 55 60

Pro Ser Leu Trp Ala Val Met Lys Ile Asn Ser Asp Cys Val His
65 70 75

<210> 3920
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3920
Met Ser Gly Glu Asp Pro Leu Leu Ser Ile Pro Thr Cys Ala Thr Pro
1 5 10 15

Gly Ser Pro Cys Trp Gly Leu Leu Gly Pro Phe Ser Ser Cys Leu
20 25 30

<210> 3921
<211> 1
<212> PRT
<213> Homo sapiens

<400> 3921
Ile
1

<210> 3922
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3922
Met Ser Asp Pro Lys Glu Asn Val Phe Thr Leu Met Leu Arg Cys Ser
1 5 10 15

Ala Ala Pro Leu Cys Ser Val
20

<210> 3923
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3923
Met Phe Pro Asn Ile Met Phe Cys Thr Leu Met Leu Ile Ser Leu Cys
1 5 10 15

Val Val Pro Asp Thr Ser Trp Asp Leu Lys Lys Cys Cys Phe Phe Leu
20 25 30

Lys Asp Gly
35

<210> 3924
<211> 9
<212> PRT
<213> Homo sapiens

<400> 3924
Met Val Gly Ser Val Asp Phe Ser Phe
1 5

<210> 3925
<211> 22
<212> PRT
<213> Homo sapiens

<400> 3925
Met Leu Leu Leu Gly Leu Glu Gly Leu Leu Phe Met Leu Phe Asn Ala
1 5 10 15
Leu Ser Asn Val Phe Phe
20

<210> 3926
<211> 3
<212> PRT
<213> Homo sapiens

<400> 3926
Leu Leu Ile
1

<210> 3927
<211> 37
<212> PRT
<213> Homo sapiens

<400> 3927
Met Gly Ile Gly Ala Leu Ile Leu Leu Phe Phe Leu Thr Val Val Leu
1 5 10 15
Pro Phe Tyr Gly Phe Asn Gln Pro Pro Pro Pro Gly Lys His Leu Leu
20 25 30
Trp Ala Cys Trp Val
35

<210> 3928
<211> 43

<212> PRT
<213> Homo sapiens

<400> 3928
Met Ala Val His His Pro Ala Phe Gln Leu Asn Val Thr Cys Leu Leu
1 5 10 15
Leu Leu Lys Met Ala Phe Cys Val Leu Gln Arg Leu Ala Trp Glu Val
20 25 30
Leu Cys Ser Ile Ala Val Asn Leu Asp Thr Phe
35 40

<210> 3929
<211> 52
<212> PRT
<213> Homo sapiens

<400> 3929
Leu Pro Leu Glu Asp Leu Cys Lys Gly Gly Leu Gly Thr Lys Glu Asn
1 5 10 15
Val Leu Phe Gly Arg Ala Gly Ser Lys Gly Thr Gly Gln Gly Leu Val
20 25 30
Gly Leu Gly Asn Gly Ser Leu Ser Trp Ile Pro Leu Met Lys Arg Leu
35 40 45
Gly Leu Phe Thr
50

<210> 3930
<211> 39
<212> PRT
<213> Homo sapiens

<400> 3930
Met Ala Ala Arg Pro Leu Pro Val Ser Pro Ala Arg Ala Leu Leu Ala
1 5 10 15
Arg Pro Gly Arg Cys Ser Ala Arg Ala Leu Arg Gly Pro Arg Gly Glu
20 25 30
Leu Met Glu Pro Arg Lys Ser
35

<210> 3931
<211> 72
<212> PRT
<213> Homo sapiens

<400> 3931
Met Met Pro Val Cys Arg Val Gly Leu Trp Asn Gly Ser Cys Leu Cys
1 5 10 15

Val Cys Val Cys Ile Phe Met Gly Met Gly Ala Cys Leu Val Cys Ile
20 25 30

Cys Thr Cys Leu Tyr Cys Cys Val Pro Val Asn Thr Cys Leu Cys Met
35 40 45

Asp Gly Arg Ser Gln Ala Gln Ala Trp Pro Leu Pro Arg Ala Cys Gly
50 55 60

His Thr Ser Cys Ser Ser Pro Lys
65 70

<210> 3932
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3932
Met His Phe His Ala Asp Tyr Met His Gly Cys
1 5 10 .

<210> 3933
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3933
Met Gly Ser Tyr Lys Gly Ser Thr Lys Lys Val Lys Phe Ile Leu Met
1 5 10 15

Thr Leu Lys Ile Tyr Met Phe Val Leu Asn Val Gly Arg Cys Gln
20 25 30

<210> 3934
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3934
Met Cys Ser Leu Pro Leu
1 5

<210> 3935
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3935
Met Phe Leu Ile Ser Ile Glu Ile Ala Leu Leu Pro His Ile Ser Leu
1 5 10 15

Ala Tyr Pro Trp Ser Leu Ala Ile Leu Asp Lys Asp Met Leu Phe Lys
20 25 30

<210> 3936
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3936
Met Phe Leu Ile Ile Phe Ile Ser Leu Asn Phe Ser Leu Cys His Ser
1 5 10 15

Asn Leu Thr Phe Thr His Gln Gln Ile Thr Met Gln Lys Lys Lys Tyr
20 25 30

Phe

<210> 3937
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3937
Met Ser His Cys Leu Phe Leu Xaa Phe Cys Leu Lys Ile Pro Ser Trp
1 5 10 15

Lys Ser Cys His Ala Ile Gly Asp Cys Asp Ile Leu Leu Val Met Tyr
20 25 30

Thr Ala Thr Gly Phe Val Cys Tyr Val Asp Gly Leu Tyr Leu Cys Tyr
35 40 45

Ser Glu Gly Ile Lys
50

<210> 3938
<211> 97
<212> PRT
<213> Homo sapiens

<400> 3938
Met Ala Gln Pro Pro Gln Asn Leu Lys Arg Phe Ser Ser Cys Arg Ala
1 5 10 15

Phe Ala Arg Leu Gly Tyr Pro Pro Tyr Phe Pro Cys Leu Pro Ser Ser
20 25 30

Ala Ala Arg Pro Ser Val Pro Ala Ser Ala Gln Pro Ser Val Lys Gly

35

40

45

Ser Pro Ala Ser Asn Leu His Cys Thr Ala Ser Pro Lys Thr Val Thr
50 55 60

Ser Trp Lys Ala Gly Ala Gln Leu Pro Leu Asn Lys Arg Val Ala Lys
65 70 75 80

Lys Glu Lys Gly
85 90 95

Arg

<210> 3939

<211> 22

<212> PRT

<213> Homo sapiens

<400> 3939

Met Thr Phe Phe Val Phe Met Glu Val Arg Thr Pro Val Met Gln Thr
1 5 10 15

Gly Ser Arg Ser Leu Leu
20

<210> 3940

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3940

Met Lys Cys Ile Leu Glu Phe
1 5

<210> 3941

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3941

Met Tyr Leu Phe Asn Asn Phe Phe Phe Ser Ser Trp Tyr Leu Ile Leu
1 5 10 15

Val Leu Leu Asn Gln Tyr Ser Gly Thr Ile Val Gly Val Tyr
20 25 30

<210> 3942

<211> 29

<212> PRT

<213> Homo sapiens

<400> 3942

Met Gly Ala Arg His Cys Ile Trp Pro Phe Cys Arg Tyr Phe Phe Pro
1 5 10 15

Leu Ser Leu Ile Val Pro Ile Asp Phe Ser Pro Phe Leu
20 25

<210> 3943
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3943
Met Lys Glu Thr Gly Leu Ile Ala Ile Ile Leu Leu Leu Ala Ala Phe
1 5 10 15

Ser Lys Ser Leu Phe Leu Lys Pro Pro Pro Ile Leu Phe Lys Gln Ile
20 25 30

Lys Thr Lys Ile Ser Cys
35

<210> 3944
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3944
Ile Tyr Ser Ala Leu Asp
1 5

<210> 3945
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3945
Met Arg Ser Phe Cys Phe Leu Gly Lys Val Phe His Phe Leu Val Trp
1 5 10 15

Leu Phe Ala His Pro Arg Arg Arg Lys Thr Ser Leu Arg Val Thr Phe
20 25 30

Thr Trp

<210> 3946
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3946
Met Arg Leu Cys Val Phe Leu Ala Leu Leu His Val Pro Phe Gln Leu
1 5 10 15

Met Ala His Ser Asp Ser Gln Arg Phe Met Pro Lys Leu His Thr Ile
20 25 30

Val Phe

<210> 3947
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3947
Met Arg Leu Gly Ala Lys Thr Ser Leu Phe Phe Phe Ser Phe Leu Phe
1 5 10 15

Leu Leu Val Phe Ala Lys Leu Leu Leu Lys Lys Gly Ser Tyr Cys
20 25 30

Tyr

<210> 3948
<211> 71
<212> PRT
<213> Homo sapiens

<400> 3948
Met Ser Tyr Ile Thr Leu Leu Lys Phe Ile Leu Tyr Phe Phe Ser Leu
1 5 10 15

Val Ser Glu Phe Arg Lys Leu Ile Pro Phe Ile Met Phe Ser Leu Tyr
20 25 30

Trp Leu Cys Tyr Phe Asp Leu Thr Ile Leu Phe Lys Ser Leu Ile Thr
35 40 45

Tyr Leu Phe Phe Leu Phe Ser Phe Tyr Ser Ile Ile Ile Pro Ile Arg
50 55 60

Glu Phe Val Thr Pro Glu Lys
65 70

<210> 3949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3949
Met Lys Leu Leu Ala Leu Val Ile Ser Ile Leu Ile Cys Thr Gly Gln
1 5 10 15

Ile Tyr Asn Cys
20

<210> 3950
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3950
Met Glu Ala Ala Lys Ser Leu Cys Pro Arg Ala Pro Leu Ser Cys Ser
1 5 10 15

Ala Leu Leu Leu Cys Ser Phe Cys Ile Val Gly Glu Asp Gly Tyr His
20 25 30

Cys Val Cys
35

<210> 3951
<211> 33
<212> PRT
<213> Homo sapiens

<400> 3951
Met Ser Glu Phe Leu Leu Leu Cys Ile Phe Pro Ser Ile Trp Tyr Cys
1 5 10 15

Gln Phe Lys His Lys Cys Trp Glu Arg Tyr Arg Ala Thr Gly Thr Leu
20 25 30

Thr

<210> 3952
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3952
Tyr Phe Thr Val Ile Tyr Phe Xaa Phe Gln Leu Ser Ile Phe Xaa Xaa
1 5 10 15

Ser Leu Ser Met Gly Thr Tyr Leu Pro His Phe Phe Arg Ser Asp Met

20

25

30

Thr His Lys Lys Asp Gly Phe Gly Phe Leu Lys Thr Leu Thr Ile Ser
35 40 45

Asn

<210> 3953

<211> 30

<212> PRT

<213> Homo sapiens

<400> 3953

Met Ile Phe Leu Phe Leu Phe Val Phe Cys Phe Leu Val Ser Gln
1 5 10 15

Tyr Val Ser Pro Phe Tyr Ser Asn Thr Phe Phe Gly Val Gln
20 25 30

<210> 3954

<211> 29

<212> PRT

<213> Homo sapiens

<400> 3954

Met Cys Leu Pro Ser Asp Val Thr Phe Pro Leu Leu Leu Gly Met
1 5 10 15

Cys Leu Val Pro Leu Ser Pro Ala His Val Thr Val Thr
20 25

<210> 3955

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3955

Met Ile Val Ile Val Phe Tyr Leu Ile Asn Leu Leu
1 5 10

<210> 3956

<211> 81

<212> PRT

<213> Homo sapiens

<400> 3956

Trp Gly Lys Ile Leu Val Val Leu Met Val Asn Leu Ser Tyr Trp Ile
1 5 10 15

Leu Cys Met Pro His Ser Arg Ile His Cys Leu Ser Leu Ile Met Asp
20 25 30

Gly Met Gln Gln His Pro Ser Ile Leu His Ser Leu Gln Gly Lys Asn
35 40 45

Cys Ala Trp Gly Leu Lys Cys Ser Met Cys Ser Ser Ile Ser Leu Ser
50 55 60

Ser Val Met Gln Asn Gly Ile Phe Asn Gly Arg Ser Ala Leu Leu Arg
65 70 75 80

Cys

<210> 3957

<211> 520

<212> PRT

<213> Homo sapiens

<400> 3957

Met Val Thr Ser Ser Phe Pro Ile Ser Val Ala Val Phe Ala Leu Ile
1 5 10 15

Thr Leu Gln Val Gly Thr Gln Asp Ser Phe Ile Ala Ala Val Tyr Glu
20 25 30

His Ala Val Ile Leu Pro Asn Lys Thr Glu Thr Pro Val Ser Gln Glu
35 40 45

Asp Ala Leu Asn Leu Met Asn Glu Asn Ile Asp Ile Leu Glu Thr Ala
50 55 60

Ile Lys Gln Ala Ala Glu Gln Gly Ala Arg Ile Ile Val Thr Pro Glu
65 70 75 80

Asp Ala Leu Tyr Gly Trp Lys Phe Thr Arg Glu Thr Val Phe Pro Tyr
85 90 95

Leu Glu Asp Ile Pro Asp Pro Gln Val Asn Trp Ile Pro Cys Gln Asp
100 105 110

Pro His Arg Phe Gly His Thr Pro Val Gln Ala Arg Leu Ser Cys Leu
115 120 125

Ala Lys Asp Asn Ser Ile Tyr Val Leu Ala Asn Leu Gly Asp Lys Lys
130 135 140

Pro Cys Asn Ser Arg Asp Ser Thr Cys Pro Pro Asn Gly Tyr Phe Gln
145 150 155 160

Tyr Asn Thr Asn Val Val Tyr Asn Thr Glu Gly Lys Leu Val Ala Arg
165 170 175

Tyr His Lys Tyr His Leu Tyr Ser Glu Pro Gln Phe Asn Val Pro Glu
180 185 190

Lys Pro Glu Leu Val Thr Phe Asn Thr Ala Phe Gly Arg Phe Gly Ile
195 200 205

Phe Thr Cys Phe Asp Ile Phe Phe Tyr Asp Pro Gly Val Thr Leu Val
210 215 220

Lys Asp Phe His Val Asp Thr Ile Leu Phe Pro Thr Ala Trp Met Asn
225 230 235 240

Val Leu Pro Leu Leu Thr Ala Ile Glu Phe His Ser Ala Trp Ala Met
245 250 255

Gly Met Gly Val Asn Leu Leu Val Ala Asn Thr His His Val Ser Leu
260 265 270

Asn Met Thr Gly Ser Gly Ile Tyr Ala Pro Asn Gly Pro Lys Val Tyr
275 280 285

His Tyr Asp Met Lys Thr Glu Leu Gly Lys Leu Leu Ser Glu Val
290 295 300

Asp Ser His Pro Leu Ser Ser Leu Ala Tyr Pro Thr Ala Val Asn Trp
305 310 315 320

Asn Ala Tyr Ala Thr Thr Ile Lys Pro Phe Pro Val Gln Lys Asn Thr
325 330 335

Phe Arg Gly Phe Ile Ser Arg Asp Gly Phe Asn Phe Thr Glu Leu Phe
340 345 350

Glu Asn Ala Gly Asn Leu Thr Val Cys Gln Lys Glu Leu Cys Cys His
355 360 365

Leu Ser Tyr Arg Met Leu Gln Lys Glu Glu Asn Glu Val Tyr Val Leu
370 375 380

Gly Ala Phe Thr Gly Leu His Gly Arg Arg Arg Arg Glu Tyr Trp Gln
385 390 395 400

Val Cys Thr Met Leu Lys Cys Lys Thr Thr Asn Leu Thr Thr Cys Gly
405 410 415

Arg Pro Val Glu Thr Ala Ser Thr Arg Phe Glu Met Phe Ser Leu Ser
420 425 430

Gly Thr Phe Gly Thr Glu Tyr Val Phe Pro Glu Val Leu Leu Thr Glu
435 440 445

Ile His Leu Ser Pro Gly Lys Phe Glu Val Leu Lys Asp Gly Arg Leu
450 455 460

Val Asn Lys Asn Gly Ser Ser Gly Pro Ile Leu Thr Val Ser Leu Phe
465 470 475 480

Gly Arg Trp Tyr Thr Lys Asp Ser Leu Tyr Ser Ser Cys Gly Thr Ser
485 490 495

Asn Ser Ala Ile Thr Tyr Leu Leu Ile Phe Ile Leu Leu Met Ile Ile
500 505 510

Ala Leu Gln Asn Ile Val Met Leu
515 520

<211> 37
<212> PRT
<213> Homo sapiens

<400> 3958
Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
1 5 10 15

Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
20 25 30

Arg Pro Arg Thr Leu
35

<210> 3959
<211> 35
<212> PRT
<213> Homo sapiens

<400> 3959
Met Asn Val Ser Ile Phe Leu Val Gly Leu Phe Leu Ile Ile Glu Leu
1 5 10 15

Tyr Ile Ala Gly Ser Leu Thr Thr Ser Leu Glu Phe Gln Gln Glu Ala
20 25 30

Phe Ala Arg
35

<210> 3960
<211> 47
<212> PRT
<213> Homo sapiens

<400> 3960
Met Leu Phe Leu Cys Asn Asn Trp Leu Val Ser Leu Phe Cys Ser Leu
1 5 10 15

Leu Ile Gly Ser Cys Phe Leu Cys Val Gln Asn Lys Asn Lys Phe Gly
20 25 30

Gln Lys
35 40 45

<210> 3961
<211> 46
<212> PRT
<213> Homo sapiens

<400> 3961
Met Pro Glu Pro Leu Leu Gly Leu Ser Val Val Phe Thr Leu Val Leu
1 5 10 15

Gly His Pro Ser Phe Gly Arg Gly Lys Ala Ala Gly Lys Met Glu
20 25 30

Thr Val Gly Gly Val Cys Leu Pro Ile Gly Leu Ala Leu Val
35 40 45

<210> 3962
<211> 19
<212> PRT
<213> Homo sapiens

<400> 3962
Met Ala Trp Val Gly Leu Ala Ser Leu Gly Val Cys Cys Pro Ile Ser
1 5 10 15

Arg Val Pro

<210> 3963
<211> 34
<212> PRT
<213> Homo sapiens

<400> 3963
Met Cys Ile Leu Val Leu Val Leu Ser Val Ile Ile Leu Ile Leu Gly
1 5 10 15
Leu Ile Ile Trp Leu Val Tyr Lys Thr Asn Asp Cys Leu Arg Ser Phe
20 25 30

Ser Arg

<210> 3964
<211> 67
<212> PRT
<213> Homo sapiens

<400> 3964
Pro Phe Leu Gly Trp Asn Gln Gly Ala Trp Val Gly Val Ala Ala Gly
1 5 10 15
Asn Met Pro Pro Cys Leu Ala Leu Cys Arg Asn Pro Trp Lys Ile Arg
20 25 30
Pro Ser Ser Leu Pro Leu Ser Ala Ser Cys Thr Arg Ala Arg Ser Arg
35 40 45
Met Ser Ala Leu Pro Gln Pro Ala Pro Ser Gly Val Phe Ala Ser Ser
50 55 60
Asp Gly Arg
65

<210> 3965

<211> 257
 <212> PRT
 <213> Homo sapiens

<400> 3965

Met	Asp	Phe	Ile	Gln	His	Leu	Gly	Val	Cys	Cys	Leu	Val	Ala	Leu	Ile
1															15
Ser	Val	Gly	Leu	Leu	Ser	Val	Ala	Ala	Cys	Trp	Phe	Leu	Pro	Ser	Ile
			20						25				30		
Ile	Ala	Ala	Ala	Ala	Ser	Trp	Ile	Ile	Thr	Cys	Val	Leu	Leu	Cys	Cys
							35		40				45		
Ser	Lys	His	Ala	Arg	Cys	Phe	Ile	Leu	Leu	Val	Phe	Leu	Ser	Cys	Gly
							50		55				60		
Leu	Arg	Glu	Gly	Arg	Asn	Ala	Leu	Ile	Ala	Ala	Gly	Thr	Gly	Ile	Val
							65		70		75			80	
Ile	Leu	Gly	His	Val	Glu	Asn	Ile	Phe	His	Asn	Phe	Lys	Gly	Leu	Leu
							85		90				95		
Asp	Gly	Met	Thr	Cys	Asn	Leu	Arg	Ala	Lys	Ser	Phe	Ser	Ile	His	Phe
							100		105				110		
Pro	Leu	Leu	Lys	Lys	Tyr	Ile	Glu	Ala	Ile	Gln	Trp	Ile	Tyr	Gly	Leu
							115		120				125		
Ala	Thr	Pro	Leu	Ser	Val	Phe	Asp	Asp	Leu	Val	Ser	Trp	Asn	Gln	Thr
							130		135				140		
Leu	Ala	Val	Ser	Leu	Phe	Ser	Pro	Ser	His	Val	Leu	Glu	Ala	Gln	Leu
							145		150		155			160	
Asn	Asp	Ser	Lys	Gly	Glu	Val	Leu	Ser	Val	Leu	Tyr	Gln	Met	Ala	Thr
							165		170				175		
Thr	Thr	Glu	Val	Leu	Ser	Ser	Leu	Gly	Gln	Lys	Leu	Leu	Ala	Phe	Ala
							180		185				190		
Gly	Leu	Ser	Leu	Val	Leu	Leu	Gly	Thr	Gly	Leu	Phe	Met	Lys	Arg	Phe
							195		200				205		
Leu	Gly	Pro	Cys	Gly	Trp	Lys	Tyr	Glu	Asn	Ile	Tyr	Ile	Thr	Arg	Gln
							210		215				220		
Phe	Val	Gln	Phe	Asp	Glu	Arg	Glu	Arg	His	Gln	Gln	Arg	Pro	Cys	Val
							225		230		235			240	
Leu	Pro	Leu	Asn	Lys	Glu	Glu	Arg	Arg	Lys	Phe	Ile	Ser	Gly	Phe	Gln
							245		250				255		
Ser															

<210> 3966
 <211> 291
 <212> PRT

<213> Homo sapiens

<400> 3966

Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile
1 5 10 15

Ser Val Gly Leu Leu Ser Val Ala Ala Cys Trp Phe Leu Pro Ser Ile
20 25 30

Ile Ala Ala Ala Ala Ser Trp Ile Ile Thr Cys Val Leu Leu Cys Cys
35 40 45

Ser Lys His Ala Arg Cys Phe Ile Leu Leu Val Phe Leu Ser Cys Gly
50 55 60

Leu Arg Glu Gly Arg Asn Ala Leu Ile Ala Ala Gly Thr Gly Ile Val
65 70 75 80

Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu
85 90 95

Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe
100 105 110

Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu
115 120 125

Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr
130 135 140

Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu
145 150 155 160

Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr
165 170 175

Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala
180 185 190

Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe
195 200 205

Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln
210 215 220

Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Met
225 230 235 240

Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Asn Lys Glu Leu Lys Ile
245 250 255

Leu Ser Met Ile Leu Pro Leu Ile Tyr Leu Cys Leu Asn Pro Thr Val
260 265 270

Ser Gln Asn Gln Asn Ser Phe Tyr Leu Arg Pro Gly Phe Leu Ser Val
275 280 285

Leu Phe Phe
290

<210> 3967
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3967
Met Tyr Ile Ile Ala Phe Asn Pro Leu Leu Thr Pro Pro Ser Thr Ala
1 5 10 15

Ser Pro Thr Ala Ile Gly Ala
20

<210> 3968
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3968
Met Trp Leu Leu Arg Gln Pro Cys Leu Ala Gly Phe Leu Leu Gln Val
1 5 10 15

Leu Glu Gly Arg Val Pro Gln Ser Gln Ala Glu Ala Asp Ser Gly Gly
20 25 30

Leu Gly Ala Gly Gly Xaa Thr Pro Ala Gly Gly Arg Arg Gly Leu Cys
35 40 45

Gln Gln Ser Glu Gln Pro Arg Gly Pro Ile Pro His Ile Leu Gln Val
50 55 60

<210> 3969
<211> 64
<212> PRT
<213> Homo sapiens

<400> 3969
Met Asn Gly Phe Leu Pro Leu Trp Gly Trp Thr Leu Gly Leu Ser Trp
1 5 10 15

Trp Glu Arg Arg Arg Gly Leu Pro Pro Leu Ser Glu Leu Pro Pro Thr
20 25 30

Gly Gly Gln Glu Ser Thr Leu Gln Pro Arg Ala Leu Trp Gly Val His
35 40 45

Ala Trp Gly Leu Trp Val Gly Thr Met Asp Arg Pro Trp Ser Leu Ser
50 55 60

<210> 3970
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3970
Met Leu Phe Leu Lys Val Cys Leu Cys Leu Phe Lys Ser Tyr Ser Met
1 5 10 15

Ala Ser Trp Glu Ala Leu Arg
20

<210> 3971
<211> 82
<212> PRT
<213> Homo sapiens

<400> 3971
Met Gly Leu Leu Leu Trp Gly Cys Phe Cys Thr Arg Gly Leu Pro Arg
1 5 10 15

Cys Ala Pro Cys Leu Pro Pro Thr Trp Leu Ser Leu Leu Gly Arg
20 25 30

Thr Arg Pro His Val Leu Arg Met Leu Gln Lys Cys Gly Pro Trp Arg
35 40 45

Asp Pro Lys Asp Thr Trp His Arg Pro Gly Arg Gly Arg Pro Arg Leu
50 55 60

Val Ser Ala Pro Phe His Gly Gln Thr Gly Leu Leu Ser Cys Thr Ile
65 70 75 80

Asn Leu

<210> 3972
<211> 31
<212> PRT
<213> Homo sapiens

<400> 3972
Met Glu Ser Ile Leu Met Ile Leu Ile Leu Ser Val Pro Thr Trp Arg
1 5 10 15

Met His Leu Leu Leu Leu Glu Val Ser Ala Val Ala Gly Leu Leu
20 25 30

<210> 3973
<211> 11

<212> PRT
<213> Homo sapiens

<400> 3973
Gln Thr Ala Leu Arg Arg Pro His Gly Pro Arg
1 5 10

<210> 3974
<211> 49
<212> PRT
<213> Homo sapiens

<400> 3974
Arg Met Leu Leu Leu Phe Ile Tyr Leu Leu Val Asp Gly His Leu Gly
1 5 10 15
Trp Phe His Ile Phe Ala Ile Ala Asn Cys Ala Ala Ile Asn Met His
20 25 30
Val Gln Val Ser Phe Ser Asn Asn Asp Phe Phe Leu Leu Thr Pro Cys
35 40 45

Ser

<210> 3975
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3975
Met Phe Thr Leu Ser Leu Leu Phe Lys Leu Phe Arg Ile Ser Phe Ser
1 5 10 15
Leu Pro Phe Arg Arg Ser Val Phe Thr Leu
20 25

<210> 3976
<211> 86
<212> PRT
<213> Homo sapiens

<400> 3976
Met Leu Ser Tyr Ser Ser Ala Met Phe Ser Gln Lys Lys Leu Ile Thr
1 5 10 15
Ser Ser Leu Leu Trp Leu Leu Gln Leu Gln Glu Val Pro Ala Met Ser
20 25 30
His Val Val Phe Asp Gln Trp Ser Pro Val Pro Gly Gln Arg Arg Gln
35 40 45
Leu Tyr Asn Val Ile Cys Val Val Lys Ile Leu Pro Leu Thr Gln Asn
50 55 60

Gly Thr Val Gln Ser Leu Ser Val Tyr Met Glu Lys Ser His Ala Pro
65 70 75 80

Gly Leu Thr Gln Lys Lys
85

<210> 3977
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3977
Leu Arg Phe Leu Leu Leu His Ser Ser Leu Gly Ile Ser Val Cys Phe
1 5 10 15

His Ala Ala Asp Lys Asp Ile Pro Glu Thr Gly Lys Lys Lys Arg Phe
20 25 30

Asn Trp Thr Tyr Ser Ser Arg Val Ser Gly Arg Pro Pro Cys Pro Arg
35 40 45

Ser Leu Val Asn Ala Leu Thr Leu Thr Gly
50 55

<210> 3978
<211> 74
<212> PRT
<213> Homo sapiens

<400> 3978
Met Thr Val Ser Leu Val Ser Arg Ser Ser Val Phe Asn Thr Cys Ile
1 5 10 15

Tyr Asn Ala Gln Ala Arg Arg Pro Cys His Gln Pro Asn Val Ile Thr
20 25 30

Ala Gly Arg Trp Lys Met Ser Leu Lys Gln Ser Leu Cys Ala Leu Phe
35 40 45

Val Leu Ser Leu Ile Gln Ser Asn Leu Lys Pro Gln Thr Asp Leu Pro
50 55 60

Pro Val Leu Phe Ser Gly Gly Phe Ser Pro
65 70

<210> 3979
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 3979

Met Lys Trp Arg Cys Leu Met Cys Phe Thr Leu Ala Cys Leu Thr Val
1 5 10 15

Phe Tyr Leu Thr Val Asn Ser Ala Val Phe Tyr Cys Glu Arg Lys Pro
20 25 30

Gln Cys Leu Ser Ser Leu Arg Asn Trp Gly Glu Arg Trp Thr Thr Thr
35 40 45

Val Val His Phe Leu Ser Val Leu Gly Glu Cys His Thr Phe Pro Ser
50 55 60

Gln Ser Lys Arg Asn Leu Xaa Glu Ile Leu Arg Glu Thr Val Ser Pro
65 70 75 80

Gln Val

<210> 3980

<211> 44

<212> PRT

<213> Homo sapiens

<400> 3980

Lys Phe Met Leu Cys Val Ser Met Val Cys Phe Ile Leu Leu Leu Ser
1 5 10 15

Ile Leu Leu Tyr Glu Tyr Thr Lys Ile Cys Val Ser Val His Arg Leu
20 25 30

Ile Asp Ile Trp Val Ile Thr Thr Leu Lys Leu Leu
35 40

<210> 3981

<211> 32

<212> PRT

<213> Homo sapiens

<400> 3981

Met Val Arg Ile Leu Ser Met Val Val Ile Ile Ile Ile Ile Ile Asn
1 5 10 15

Gly Ser Pro Leu Cys Val Leu Ser Tyr Phe Ile Phe Thr Ile Phe Thr
20 25 30

<210> 3982

<211> 28

<212> PRT

<213> Homo sapiens

<400> 3982

Met Met Gly Ile Trp Gly Ile Glu Arg Ser Trp Val Gly Asn Ile Ala
1 5 10 15

Trp Val Ile Ser Leu Leu Thr Leu Tyr Cys Lys Val
20 25

<210> 3983
<211> 137
<212> PRT
<213> Homo sapiens

<400> 3983
Ile Thr His His Ala Val Ile Leu Phe Val Leu Val Pro Val Ala Gln
1 5 10 15

Arg Leu Arg Gly Asp Leu Gly Asp Phe Phe Val Gly Cys Ile Phe Thr
20 25 30

Ala Glu Leu Ser Thr Pro Phe Val Ser Leu Gly Arg Val Leu Ile Gln
35 40 45

Leu Lys Gln Gln His Thr Leu Leu Tyr Lys Val Asn Gly Ile Leu Thr
50 55 60

Leu Ala Thr Phe Leu Ser Cys Arg Ile Leu Leu Phe Pro Phe Met Tyr
65 70 75 80

Trp Ser Tyr Gly Arg Gln Gln Gly Leu Ser Leu Leu Gln Val Pro Phe
85 90 95

Ser Ile Pro Phe Tyr Cys Asn Val Ala Asn Ala Phe Leu Val Ala Pro
100 105 110

Gln Ile Tyr Trp Phe Cys Leu Leu Cys Arg Lys Ala Val Arg Leu Phe
115 120 125

Asp Thr Pro Gln Ala Lys Lys Asp Gly
130 135

<210> 3984
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3984
Leu Phe Leu Phe Phe Leu Ser Pro Ser Asp Phe Ser Ala Tyr His Leu
1 5 10 15

His Phe Ser Pro Leu Thr His Ser Glu Leu Ile Glu Ser Cys Phe Cys
20 25 30

His His His Thr Thr Glu Thr Gly His Arg
35 40

<210> 3985

<211> 38
<212> PRT
<213> Homo sapiens

<400> 3985
Met Val Ile Phe Cys Ser Leu Leu Ser Leu Ile Ala Tyr Ser Ile Met
1 5 10 15
Ala Phe Leu Lys Lys Asn Leu Cys Ile Phe Ser His Pro Tyr Leu Phe
20 25 30
Ala Tyr Phe Ser Asn His
35

<210> 3986
<211> 32
<212> PRT
<213> Homo sapiens

<400> 3986
Met Tyr Tyr Ile Ser Thr Phe Leu Ile Leu Thr Trp Ala Tyr Ala Leu
1 5 10 15
Ser Leu Ile Val Ile Asn Leu Cys Cys Ser Ser Ile Cys Asn Thr Leu
20 25 30

<210> 3987
<211> 42
<212> PRT
<213> Homo sapiens

<400> 3987
Met Asn Ser Asn Arg Leu Glu Leu Leu Tyr Ile Thr Gln Leu Ala
1 5 10 15
Leu Cys Thr Cys Arg Phe Cys Ile Leu Gly Phe Asn Cys Gly Ser Lys
20 25 30
Ile Phe Gly Gly Lys Ala Ile Gln Gln
35 40

<210> 3988
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3988
Met Gly Ser Ile Ala Gly Thr Gln Gly Cys Arg Pro Arg Arg Leu Phe
1 5 10 15
Phe Leu Phe Ser Leu Cys Arg Leu Ile Ser Ser Leu Ser Val Ile Trp
20 25 30

Phe Pro Cys Pro
35

<210> 3989
<211> 50
<212> PRT
<213> Homo sapiens

<400> 3989
Met Trp Asn Ile Phe Ser Tyr Val Cys Trp Leu Leu Val Cys Leu Leu
1 5 10 15

Leu Arg Ser Val Cys Ser Cys Leu Leu Pro Ser Phe Lys Trp Asp Leu
20 25 30

Phe Phe Ala Cys Ser Leu Val His Thr Phe Phe Phe Ile Asp Ser
35 40 45

Gly Cys
50

<210> 3990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3990
Ser Gly Glu Gly Ala Trp Val Pro Gly Ala Ser Leu Ala Leu His Gln
1 5 10 15

Asp Pro Val Glu
20

<210> 3991
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3991
Met Val Leu Phe Leu Leu Arg Phe Leu Phe Leu
1 5 10

<210> 3992
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3992
Met Glu Thr His Arg Gln Gln Leu Arg Lys Met Val Cys Gln Gln
1 5 10 15

<210> 3993
<211> 36
<212> PRT
<213> Homo sapiens

<400> 3993
Met Leu Ser Asp Trp Leu Ile Ile Val Leu Gln Cys Tyr Val Gln Val
1 5 10 15

Thr Leu Ile Leu Leu Ile Val Val Pro Arg Cys Lys Ser Ser Asp Ala
20 25 30

Asp Ile Leu Leu
35

<210> 3994
<211> 26
<212> PRT
<213> Homo sapiens

<400> 3994
Met Thr Ser Arg Trp Cys His Leu Lys Glu Pro Arg Phe Leu Phe Ser
1 5 10 15

Val Cys Gly Phe Ile Leu Leu Val Leu Leu
20 25

<210> 3995
<211> 38
<212> PRT
<213> Homo sapiens

<400> 3995
Met Ile Ser Cys Leu Asn Ile Leu Arg Val Leu Tyr Leu Leu Trp Gly
1 5 10 15

Leu Leu Ala Leu Ser Ala Leu Thr Gln Ile Ile Gly Tyr Ile Thr Trp
20 25 30

Leu Met Phe Leu Tyr Thr
35

<210> 3996
<211> 58
<212> PRT
<213> Homo sapiens

<400> 3996
Met Leu Arg Gln Glu Ile Cys Leu Ile Arg Thr Gly Ser Ser Val Leu
1 5 10 15

Ser Val Thr Leu Val Ala Leu Leu Gln Val Ile Thr Leu Val Met
20 25 30

Tyr Met Thr Leu Arg Ser Lys Arg Gly Leu Leu Thr Met Thr Trp Arg
35 40 45

Tyr Gln Lys Ser Lys Arg Leu Pro Cys Lys
50 55

<210> 3997
<211> 52
<212> PRT
<213> Homo sapiens

<400> 3997
Thr Gln Ser Leu Asp Pro Asp Glu Thr Ser Pro Pro Pro His Leu Cys
1 5 10 15

Pro His Gln Asp Lys Glu Leu Leu Pro Val Phe Pro Leu Gly His Gly
20 25 30

Ala Ser Cys Pro Pro Ser Ser Pro Ala Arg Asp Pro Lys Ala Gly Thr
35 40 45

Thr Pro Pro Ala
50

<210> 3998
<211> 23
<212> PRT
<213> Homo sapiens

<400> 3998
Met Leu Leu Leu Gln Ser Leu Phe Phe Ser His Glu Leu Gly Val Gly
1 5 10 15

Trp Gly Arg Glu Arg Glu Gly
20

<210> 3999
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3999
Met Pro Cys Phe Ser Leu Leu Ser Leu Pro Leu Trp Asp Pro Leu Val
1 5 10 15

Ile Leu Val Phe Cys
20

<210> 4000
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4000
Met Pro Arg Thr Ser Thr Phe Gln Gln Trp Leu Ser Ser Pro Thr Phe
1 5 10 15
Trp Trp Leu Val Leu Arg Trp Gly Pro Arg Ile Gly Ser Pro Gln Thr
20 25 30
Ser Trp Gly Cys Lys Arg Ala Gln Pro Trp Pro Gly
35 40

<210> 4001
<211> 15
<212> PRT
<213> Homo sapiens

<400> 4001
Met Leu Leu Arg Val Phe Leu Val Val Val Thr Gln Cys Gly Cys
1 5 10 15

<210> 4002
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4002
Met Ser Asp Arg Trp Ser Pro Phe Ile Pro Phe Leu Leu Leu Ala Pro
1 5 10 15
Val Ser Ser Gly Ser Gly His Leu Thr Phe Ser Cys Pro Ala Gly Ser
20 25 30
Ala

<210> 4003
<211> 52
<212> PRT
<213> Homo sapiens

<400> 4003
Met Ala Met Ala Met Ala Arg Ile Thr Pro Pro Thr Met Gly Met Val
1 5 10 15
Trp Pro Leu His Thr Leu Gly Lys Cys Leu Ala Leu Thr Gln Met Gln
20 25 30
Thr Leu Val Pro Arg Val Ala Pro Val Pro Ile Pro Phe Tyr Pro Glu
35 40 45
Leu Thr Ser Ala
50

<210> 4004

<211> 39
<212> PRT
<213> Homo sapiens

<400> 4004
Met Glu Phe Thr Asn Leu Val Ile Leu Thr Met Phe Leu Lys Leu Gly
1 5 10 15

Leu Ser Phe Pro Phe Trp Phe Val Ala Tyr Asp Val Gly Leu Leu Gly
20 25 30

Ile Lys Ser Ser Lys Asn Ser
35

<210> 4005
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4005
Met Leu Leu Leu Tyr Leu Ser Ser Phe Thr Phe Leu Glu Ser Pro Thr
1 5 10 15

Thr Gly Gln Arg Leu Lys Gly Thr Asp Leu Leu Cys Arg Met Ala Trp
20 25 30

Pro Pro Leu Lys
35

<210> 4006
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4006
Met Leu Ser Ile Met Leu Cys Phe Leu Trp Asn Met Ile Ile Leu Leu
1 5 10 15

Val Ala Ser Ser Ala Tyr Ser Gly Cys Asp Leu Ala Leu Pro Gly Thr
20 25 30

Ser Ala Leu
35

<210> 4007
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4007
Met Gly Lys Ser Val Leu Leu Gly Ser Ile Tyr Tyr Leu Leu Ser
1 5 10 15

Ser His Leu Cys Lys Ser Ala Ile Ser Thr Lys Met Cys Asp Arg Arg
20 25 30

Ser Gln Arg Ile Leu Leu
35

<210> 4008
<211> 41
<212> PRT
<213> Homo sapiens

<400> 4008
Met Tyr Met Lys Met Met Phe Met Leu Phe Ile Ile Leu Pro Phe Ile
1 5 10 15

Ile Ser Phe Phe Ile Val Leu Ile Ala Met Ser Phe Ser Ser Leu Ile
20 25 30

Phe Phe Pro Gln Cys Leu Ile Cys His
35 40

<210> 4009
<211> 24
<212> PRT
<213> Homo sapiens

<400> 4009
Met Ala Ala Ser Ala Leu Leu Leu Cys Val Val Thr Leu Ile Leu Phe
1 5 10 15

Leu Val Leu His Tyr Ile Val Ser
20

<210> 4010
<211> 8
<212> PRT
<213> Homo sapiens

<400> 4010
Met Ser Asn Val Gln Leu Gln Arg
1 5

<210> 4011
<211> 24
<212> PRT
<213> Homo sapiens

<400> 4011
Ser Phe Phe Val Phe Leu Gly Asp Leu Tyr Phe Phe Phe Gly Glu Met
1 5 10 15

Ser Ile Pro Ile Leu Ala His Phe
20

<210> 4012
<211> 16
<212> PRT
<213> Homo sapiens

<400> 4012
Gly Pro Cys Asp Pro Ile Ser Trp Leu Leu Arg Leu Leu Ser Leu Phe
1 5 10 15

<210> 4013
<211> 65
<212> PRT
<213> Homo sapiens

<400> 4013
Gly Ser Phe Pro Ser Pro Lys His Arg Gln Arg Gly Gly Glu Gln Phe
1 5 10 15

Leu Val Leu Phe Leu Phe Leu Lys Trp Cys Leu Tyr Leu Gln Pro Pro
20 25 30

Gly Gly Leu Pro Trp Pro His Phe Ser Ala Pro Pro Arg His Arg His
35 40 45

Pro Ser Thr Leu Leu His Val Thr Arg Lys Met Pro Phe Ala Glu Cys
50 55 60

Thr
65

<210> 4014
<211> 90
<212> PRT
<213> Homo sapiens

<400> 4014
Met Cys Pro Val Ser Gln Phe Pro Gly Ser Ser Ser Val Cys Cys Pro
1 5 10 15

Phe Ser Ser Ser Gly Ser Ile Val Arg Glu Pro Arg Met Glu Ala Lys
20 25 30

Cys Thr Gly His Trp Leu Phe Phe Gln Cys Pro Ser Asp Ser Pro Cys
35 40 45

Pro Gly Gly Leu Val Pro Ser Leu Ser Val Trp Cys Leu Phe Tyr Lys
50 55 60

Leu Val Met Thr Ser Gly Asn Gly Pro Gly Phe Gln Ile Ala Ile Pro
65 70 75 80

Gly Asp Ile Leu Ile Leu Trp Phe Lys Pro
85 90

<210> 4015
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4015
Met Tyr Tyr Phe Ile Phe Leu Phe Phe Ser Tyr Val Leu Cys Phe Arg
1 5 10 15

Ile Phe Leu Glu Ala Ser Ser Lys Ser Cys Phe Val Gly Asn Lys Gln
20 25 30

Ser

<210> 4016
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4016
Ile Asp Phe Phe Leu Phe Pro Thr Ile Ser Ser Ala Ser Pro Phe Ser
1 5 10 15

Ser Phe Lys Ile Asn Pro Glu Ser Asp His Cys Gly Leu Asn His Tyr
20 25 30

Tyr Ile Leu Pro Glu Leu Leu Gln
35 40

<210> 4017
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4017
Met Gly Trp Val Ile Ala Leu Cys Ser Gln Leu Ser Arg Leu Leu Thr
1 5 10 15

Leu Phe Leu Leu Arg Leu Phe Leu Asn Arg Lys Ile Arg Ile Leu Ser
20 25 30

Phe Gln Gln
35

<210> 4018
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4018
Met Gly Leu Leu Leu Trp Leu Ser Val Gly His Thr Ser Pro Gln Lys

1

5

10

15

Ala Pro Ala Lys Glu Leu Arg Phe Trp Leu Gly Lys Asn Ile Thr Pro
20 25 30

Leu Gln

<210> 4019
<211> 15
<212> PRT
<213> Homo sapiens

<400> 4019
Met Pro Ala Leu Ile Asp Gly Ala Glu Arg His Cys Ile Pro Ile
1 5 10 15

<210> 4020
<211> 37
<212> PRT
<213> Homo sapiens

<400> 4020
Met Leu Leu Ile Phe Thr Phe Ser Ala Leu Val Leu Ser Tyr Pro Leu
1 5 10 15
Leu Ile Leu Gly Asp Trp Val Glu Met Ala Ile Glu His His Thr Leu
20 25 30

Leu Thr Lys Thr Ile
35

<210> 4021
<211> 30
<212> PRT
<213> Homo sapiens

<400> 4021
Met Ala Leu Val Gly Leu Leu Ser Ala Gly Val Pro Gly Val Ser Leu
1 5 10 15
Cys Val Gln Ile Phe Ser Tyr Lys Asp Thr Gly Glu Ile Gly
20 25 30

<210> 4022
<211> 2
<212> PRT
<213> Homo sapiens

<400> 4022
Met Leu
1

<210> 4023
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4023
Met Phe Phe His Phe Gly Val Asn Ile Ala Trp Ile Phe Phe Leu Val
1 5 10 15

Pro Arg Leu Ala Phe Ser Ser Gly Asn Leu Ala Val Lys Ile Asn Leu
20 25 30

Phe Gln Met Lys Tyr Cys Ile
35

<210> 4024
<211> 12
<212> PRT
<213> Homo sapiens

<400> 4024
Val Leu Leu Leu Pro His Val Leu Ser Gly Gly Leu
1 5 10

<210> 4025
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4025
Leu Ile Val Phe His Ile Ile Phe Ile Pro Trp Ile Thr Leu Leu Cys
1 5 10 15

Val Phe Ile Gly Val Arg Leu Leu Ala Val Ser Tyr Glu Thr Thr Tyr
20 25 30

Tyr Ile Phe
35

<210> 4026
<211> 19
<212> PRT
<213> Homo sapiens

<400> 4026
Met Thr Ser Tyr Cys Ser Phe Asp Leu His Phe Ser Asp Asp Asn Tyr
1 5 10 15

Val Glu His

<210> 4027
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4027
Met Asn Phe Trp His Ser Cys Tyr Leu Leu Arg Asn Cys Thr Val Cys
1 5 10 15

Phe Leu Cys Ser Ile Phe Phe Phe Pro Gly Met Arg Met Tyr Leu
20 25 30

Ser Ser

<210> 4028
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4028
Met Lys Leu Thr Leu Gly Thr Ala Gly Ser Leu Phe Pro Gln Ala Leu
1 5 10 15

Tyr Ile Leu Leu Asp Phe Ile Trp Val Asn Phe Ile Asp Gly Ser His
20 25 30

Tyr Ile

<210> 4029
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4029
Met Ala Met Lys Ile Cys Gln Trp Ser Phe Val Cys Gly Leu Leu Gly
1 5 10 15

Thr Val Phe Leu Leu Cys Leu Val Leu Phe Tyr Phe Cys Tyr Ser Arg
20 25 30

Lys Leu Arg Ala His Leu Lys Thr Lys Lys Lys Lys Lys Lys Lys
35 40 45

<210> 4030
<211> 9
<212> PRT
<213> Homo sapiens

<400> 4030
Met Asn Lys Ile Lys Lys Trp Leu Ile

1

5

<210> 4031
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4031
Met Leu Gly Ser Ser Pro Leu Met Leu Ile Trp Ala Thr Thr Phe Val
1 5 10 15

Arg Ser Ser Ile Ala Cys Ser Leu Ser Ala Leu Phe Ser Pro Arg Asn
20 25 30

Thr Phe Leu
35

<210> 4032
<211> 22
<212> PRT
<213> Homo sapiens

<400> 4032
Met Val Arg Leu Ser Ser Leu Gln Thr Leu Leu Cys Pro Asp Ser His
1 5 10 15

Leu Gly His Phe Ile Gln
20

<210> 4033
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4033
Met Glu Leu Phe Phe Trp Leu Thr Ile Leu Leu Phe Pro Thr Val
1 5 10 15

Phe Asn Asn Cys
20

<210> 4034
<211> 41
<212> PRT
<213> Homo sapiens

<400> 4034
Met Gly Asn Val Met Val Thr Phe Ser Arg Leu Ser Cys Leu Ile Pro
1 5 10 15
Ser Ala Ser Ser Leu Leu Cys Leu Asn Ser Cys Thr Gly Cys Leu Val
20 25 30

His Val His Ile Thr Lys Arg Trp Tyr
35 40

<210> 4035
<211> 37
<212> PRT
<213> Homo sapiens

<400> 4035
Met Lys Ser Ala Leu Arg Leu Val Leu Leu Phe Ser Phe His Phe Phe
1 5 10 15

Pro Leu Ile Ile Ser Phe Arg Arg Lys Arg Glu Gly Lys Lys Lys Lys
20 25 30

Lys Ile Arg Asp Leu
35

<210> 4036
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4036
Met Asn His Thr Leu Arg Asn Gln Cys Gly Cys Pro Leu Arg Val Leu
1 5 10 15

Leu Phe Phe Leu Leu Pro Leu Ser Lys Ile Arg Tyr Ser Val Ile Lys
20 25 30

Tyr Ile Ser Ile Lys Val Phe Lys Ser Asp Leu Tyr
35 40

<210> 4037
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4037
Met Ser Lys Gly Leu Arg Lys Glu Ser His Val Phe Phe Leu Leu Phe
1 5 10 15

Ser Asn Leu Val Ile Thr Lys Gln Cys Tyr Gln Cys Ile Thr Tyr Lys
20 25 30

His Phe Ile Ile His Phe His Phe
35 40

<210> 4038
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4038
Met Leu Thr Phe Leu Val Trp Gln Ala Glu Leu Val Leu Leu Pro Thr
1 5 10 15

Leu Pro Phe Pro Ile Val Thr Ile Tyr Arg Thr Ser His Cys Cys Leu
20 25 30

Leu Cys Val Ala Ser Ala Ser Leu Pro Gly Arg Ser Arg Asn Leu Arg
35 40 45

Ile Ser
50

<210> 4039
<211> 42
<212> PRT
<213> Homo sapiens

<400> 4039
Ala Leu Glu Thr Val Val His Phe Ile Leu Leu Ser Leu Leu Val Phe
1 5 10 15

Met Tyr Asp Leu Leu Ile Gly Lys Asn Leu Ile Met Val Ser Leu Met
20 25 30

Thr Asn Gln Phe Val Leu Asn Thr Phe Tyr
35 40

<210> 4040
<211> 17
<212> PRT
<213> Homo sapiens

<400> 4040
Met Val Ile Thr Val Ala Thr Leu Val Ser Leu Leu Ile Asp Ala Ser
1 5 10 15

Gly

<210> 4041
<211> 6
<212> PRT
<213> Homo sapiens

<400> 4041
Ser Thr Ile Leu Cys Phe
1 5

<210> 4042
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4042
Met Glu Ile Ile Tyr Val Thr Leu Leu Ile Asn Val Val Val Val His
1 5 10 15

Ala Cys Asn Ser Trp Arg Ser Leu Arg Gln Met Ser Pro Lys Tyr Ser
20 25 30

Thr

<210> 4043

<211> 20

<212> PRT

<213> Homo sapiens

<400> 4043

Met Thr Arg Gly Thr Leu Pro Pro Thr Leu Leu Gly Leu Ser Phe Leu
1 5 10 15

Ser Ser Gln Leu
20

<210> 4044

<211> 138

<212> PRT

<213> Homo sapiens

<400> 4044

Met Glu Lys Ile Asn Phe Leu Val Glu Ile Gln Trp Leu Thr Lys Pro
1 5 10 15

Ser Leu Ile Leu Ser Gln Pro Ala Gln Leu Arg Pro Val Arg Arg Leu
20 25 30

Pro Ala Thr Ile Thr Arg Leu Ala Val Ala Met Thr Pro Gly Gln Pro
35 40 45

Gly Val Pro Pro Asn Leu Gly Thr Gly Lys Ala Gln Lys Ala Gly Gly
50 55 60

Pro Ser Gln Arg Gly Leu Glu Pro Lys Glu Thr Gln Thr Leu Pro Thr
65 70 75 80

Thr Gly Thr Leu Pro Ser Ala Thr Pro Arg Pro Thr Lys Asp Gln Gln
85 90 95

Leu Val Met Met Met Thr Gly Met Lys Thr Gly Met Gly Pro Asn Pro
100 105 110

Leu Pro Thr Leu Arg Ile Gln Ser Gln Leu Met Gln Ala Ala Leu Ser
115 120 125

Glu Glu Thr Val Val Leu Val Pro His Pro
130 135

<210> 4045
<211> 58
<212> PRT
<213> Homo sapiens

<400> 4045

Met	Ile	Lys	Arg	Phe	Leu	Pro	Ser	Arg	His	Arg	Pro	Gly	Val	Cys	Gln
1				5											15

Leu Trp Gly Asn Ser Thr Leu Cys Val Ser Asn Leu His Glu Glu His

	20					25						30			
--	----	--	--	--	--	----	--	--	--	--	--	----	--	--	--

His Pro Cys Lys Ser Ser Arg Pro Gly Glu Ala Ser Ser Pro Pro His

	35				40						45				
--	----	--	--	--	----	--	--	--	--	--	----	--	--	--	--

Phe Ser Asn Ser Thr Gln Asp Asn Thr Leu

	50			55											
--	----	--	--	----	--	--	--	--	--	--	--	--	--	--	--

<210> 4046
<211> 5
<212> PRT
<213> Homo sapiens

<400> 4046

Met	Arg	Glu	Cys	Ser											
1				5											

<210> 4047
<211> 29
<212> PRT
<213> Homo sapiens

<400> 4047

Met	Ala	Gly	Leu	Val	Leu	Val	Phe	Leu	Gly	Ile	Leu	Leu	Phe	Glu	Ala
1				5										15	

Gln His Ser Gln Arg Asn Pro Gln Asp Ala Ala Gly Arg

	20				25										
--	----	--	--	--	----	--	--	--	--	--	--	--	--	--	--

<210> 4048
<211> 3
<212> PRT
<213> Homo sapiens

<400> 4048

Pro	Pro	Arg													
1															

<210> 4049
<211> 12
<212> PRT
<213> Homo sapiens

<400> 4049
Met Lys Leu Leu Ile Val Ile Phe Phe His Phe Leu
1 5 10

<210> 4050
<211> 62
<212> PRT
<213> Homo sapiens

<400> 4050
Met Leu Phe Ser Leu Leu His Leu Gly Phe Cys Ala Tyr Glu Ser Asn
1 5 10 15

Leu Ile Leu Phe Gln Met Ala Ile Pro Ile Pro Gly Gln Leu Val Lys
20 25 30

Lys Ser Phe Phe Pro Ser Leu Ile Trp Val Ala Gly Thr Gly Pro Val
35 40 45

Pro Val Ser Ser Gly Ala Tyr Pro Thr Leu Phe Ser Leu Gln
50 55 60

<210> 4051
<211> 4
<212> PRT
<213> Homo sapiens

<400> 4051
Gln Val Trp Leu
1

<210> 4052
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4052
Thr Arg Gln Arg Leu Lys Ala Leu Ser Leu Arg Asn Cys Val Thr Leu
1 5 10 15

Val Thr Leu Phe Asp Phe Ser Leu Leu Lys Phe Ser His Met Gly Met
20 25 30

Val Arg Lys Ile Pro Thr Ser Gln Asp Phe Leu Thr Ile Leu
35 40 45

<210> 4053
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4053

Met Ala Ala Leu Leu Leu Pro Leu His Leu Cys Leu Cys Ala Pro Asp
1 5 10 15

Val Ser Leu Cys Val Ser Lys His His Leu Ile Arg Thr Pro Val Gly
20 25 30

Thr Asp

<210> 4054
<211> 24
<212> PRT
<213> Homo sapiens

<400> 4054
Met Ser Ile Thr Leu Leu Phe Ala Val Leu Thr Leu Leu Cys Asn Gly
1 5 10 15

Thr Pro Glu Leu Ile Leu Pro Val
20

<210> 4055
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4055
Met Lys His Phe Cys Asn Leu Leu Cys Ile Leu Met Phe Cys Asn Gln
1 5 10 15

Gln Ser Val Cys Asp Pro Pro Ser Gln Asn Asn Ala Gly Lys Ile Asn
20 25 30

Leu Arg Tyr
35

<210> 4056
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4056
Met Leu Gly Ser Lys Ala Ser Leu Arg Ile Leu Leu Cys Leu Phe Phe
1 5 10 15

Phe Leu Pro Arg His Ser Ser Ser Asp Asn Cys Cys Pro Ser Cys Thr
20 25 30

Ala Gly Gly
35

<210> 4057
<211> 24

<212> PRT
<213> Homo sapiens

<400> 4057
Phe Trp Trp Val Cys Gly Leu Ala Gly Phe Arg Ser Glu Ala Thr Asp
1 5 10 15

Leu His Gly Glu Cys Cys Ser Ser
20

<210> 4058
<211> 28
<212> PRT
<213> Homo sapiens

<400> 4058
Lys Lys Ile Ser Leu Ser Leu Leu Phe Phe Cys Ser Leu Leu Lys Ser
1 5 10 15

Lys Gln Asn Leu Leu Leu Ser Pro Val Asn Thr Thr
20 25

<210> 4059
<211> 21
<212> PRT
<213> Homo sapiens

<400> 4059
Met Arg Arg Glu Pro Lys Ala Gln Leu Ser Val Ser Cys Leu Ala Ala
1 5 10 15

Met Ser Phe Leu Tyr
20

<210> 4060
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4060
Gly Val Val Ala Val Val Val Phe Xaa Phe Ser Ser Leu Leu Phe Arg
1 5 10 15

Phe

<210> 4061
<211> 10

<212> PRT
<213> Homo sapiens

<400> 4061
Leu Val Leu Phe Val Ile Lys Gly Thr Ile
1 5 10

<210> 4062
<211> 28
<212> PRT
<213> Homo sapiens

<400> 4062
Met Phe Gly Trp Cys His His Leu Phe Phe Cys Met Leu Phe Ser Leu
1 5 10 15
Trp Arg Gly His Leu Cys Val Tyr Arg Arg Lys Met
20 25

<210> 4063
<211> 31
<212> PRT
<213> Homo sapiens

<400> 4063
Met Arg Gly Ala Trp Cys Val Cys Leu Cys Val Cys Val Tyr Gly Tyr
1 5 10 15
Asn Ser Phe Ile Phe Val Ala Ser Glu Arg Leu Cys Arg Ala Leu
20 25 30

<210> 4064
<211> 37
<212> PRT
<213> Homo sapiens

<400> 4064
His Leu Pro Ser Ile Ile Pro Val Leu Val Tyr Val Leu Pro Lys Arg
1 5 10 15
Ala Trp Lys Phe Ile Leu Ala Val Ser Leu Cys Trp Ala Asp Tyr Pro
20 25 30
Ile Lys Val Pro Leu
35

<210> 4065
<211> 177
<212> PRT
<213> Homo sapiens

<400> 4065
Met Gly Leu Met Lys Ala Asn His Val Phe Phe Leu Leu Tyr Leu Leu

1

5

10

15

His Ile Leu Leu Leu Asp Gly Ala Ala Trp Leu Thr Leu Trp Val Phe
 20 25 30

Gly Thr Ser Phe Leu Pro Phe Leu Leu Cys Ala Val Leu Leu Ser Ala
 35 40 45

Val Gln Ala Gln Ala Gly Trp Leu Gln His Asp Phe Gly His Leu Ser
 50 55 60

Val Phe Ser Thr Ser Lys Trp Asn His Leu Leu His His Phe Val Ile
 65 70 75 80

Gly His Leu Lys Gly Ala Pro Ala Ser Trp Trp Asn His Met His Phe
 85 90 95

Gln His His Ala Lys Pro Asn Cys Phe Arg Lys Asp Pro Asp Ile Asn
 100 105 110

Met His Pro Phe Phe Ala Leu Gly Lys Ile Leu Ser Val Glu Leu
 115 120 125

Gly Lys Gln Lys Lys Tyr Met Pro Tyr Asn His Gln His Lys Tyr
 130 135 140

Phe Phe Leu Ile Gly Pro Pro Ala Leu Leu Pro Leu Tyr Phe Gln Trp
 145 150 155 160

Tyr Ile Phe Tyr Phe Val Ile Gln Arg Lys Asn Gly Trp Thr Trp Pro
 165 170 175

Gly

<210> 4066

<211> 93

<212> PRT

<213> Homo sapiens

<400> 4066

Met Glu Ser Gln Tyr Val Ser Phe Cys Val Trp Leu Leu Ser Leu Ser
 1 5 10 15

Val Leu Phe Ser Lys Ser Ile Arg Ala Ala Pro Tyr Met Ser Ala Leu
 20 25 30

Phe His Pro Cys Cys Thr Ile His Glu Arg Phe Ile Pro Ser Met Leu
 35 40 45

Cys His Thr Ser Ala Leu Tyr Ser Ile His Ala Val Pro Tyr Ile Ser
 50 55 60

Ala Leu Phe His Pro Cys Cys Thr Ile His Glu Arg Phe Ile Pro Ser
 65 70 75 80

Val Leu His His Thr Ser Val Leu Tyr Ser Phe Ser Gly
 85 90

<210> 4067
<211> 13
<212> PRT
<213> Homo sapiens

<400> 4067
Pro Ser Leu Val Ser Cys Ala Ser Leu Leu Thr Val Met
1 5 10

<210> 4068
<211> 24
<212> PRT
<213> Homo sapiens

<400> 4068
Met His Tyr Ile Leu Lys Tyr Ser Met Thr Gly Phe Cys Pro Cys Leu
1 5 10 15
Trp Ala Phe Ile Phe Leu Met Gly
20

<210> 4069
<211> 27
<212> PRT
<213> Homo sapiens

<400> 4069
Met Cys Ile Ile Leu Leu Val Val Val Phe His Lys Ser Gln Phe Ser
1 5 10 15
Ser Leu Val Val Gly Pro Lys Ser Ser Val Ser
20 25

<210> 4070
<211> 18
<212> PRT
<213> Homo sapiens

<400> 4070
Met Thr Thr Trp Pro Ile Arg Pro Gly Ile Phe Ala Val Trp Leu Tyr
1 5 10 15
Ala Val

<210> 4071
<211> 54
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4071
Met His Tyr Val Cys Ser Phe Leu Lys Lys Ile Leu Ile Val Phe Xaa
1 5 10 15
Cys Ser Val Pro Cys Leu Phe Ser Xaa Val Cys Pro Val Thr Leu Ser
20 25 30
Ile Leu Asp Tyr Lys Leu Ile Lys Ala Leu Xaa Met Leu Phe Ser Leu
35 40 45
Phe Leu Asn Leu Asn Ile
50

<210> 4072
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4072
Met Tyr Leu Leu Ser Thr Tyr Leu Leu Trp Cys Ser Thr Leu Val Thr
1 5 10 15
Ala Ser Tyr Leu Asn Phe Pro Arg Val Val Pro Tyr Ser Val Phe Ser
20 25 30
Asp Met Val Phe Gln Ser Val Cys Val Thr Tyr Leu Leu Phe Ile Ser
35 40 45
His Cys Arg Trp Leu Cys Leu Leu His His His Lys Lys Phe Lys Leu
50 55 60
Cys Ala Leu Ile Asn Cys Val Leu Leu Lys Arg Leu Val Gly
65 70 75

<210> 4073
<211> 3
<212> PRT
<213> Homo sapiens

<400> 4073
Leu Asn Leu
1

<210> 4074
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4074
Met Leu Gly Ser Leu Met Ala Arg Leu Asn Met Leu Val Pro Ser Ser
1 5 10 15

Trp Ala Gly Ser Leu Ala Ser Ala Pro Met Ile Ala Thr Ala Ala Ile
20 25 30

Lys

<210> 4075
<211> 37
<212> PRT
<213> Homo sapiens

<400> 4075
Met Ala Asn Leu Pro Leu Ile Leu Ile Met Leu Val Val Gly Met Met
1 5 10 15

Gly Val Thr Ile Asn Thr Leu Ser Thr His Val Gln Thr Leu Phe Gln
20 25 30

Ala Val Phe Ile Tyr
35

<210> 4076
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4076
Met Lys Lys Pro Ser Ala Ser Lys Met His Thr Leu Ile Leu Pro Ile
1 5 10 15

Ala Leu Leu Leu Ala Gly Pro Val Gln Leu Thr His Phe Ser Gly Thr
20 25 30

Ala Ala Asp Ser Leu Leu
35

<210> 4077
<211> 22
<212> PRT
<213> Homo sapiens

<400> 4077
Met Ala Thr His Leu Phe Ile Tyr Leu Leu Val Ala Val Phe Cys Tyr
1 5 10 15

Ser Cys Ser Val Leu Tyr
20

<210> 4078
<211> 12
<212> PRT
<213> Homo sapiens

<400> 4078
Arg Leu Cys Arg Ser Phe Thr Phe Cys Phe Cys Ser
1 5 10

<210> 4079
<211> 53
<212> PRT
<213> Homo sapiens

<400> 4079
Met Arg Ile Val Ser Asp Ser Cys Phe Ser Phe Pro Phe Ser Pro Pro
1 5 10 15
Leu Ser Asp Thr Tyr Thr Pro Arg Pro His His Thr Tyr Ala His Cys
20 25 30
Gly Leu His His Ser His Ser Leu Tyr Phe Val Asn Leu Ala Ala Arg
35 40 45
Lys Phe Leu Ser Pro
50

<210> 4080
<211> 64
<212> PRT
<213> Homo sapiens

<400> 4080
Met Val Phe His Glu Thr Ser Pro Pro Pro Glu Val Ile Phe Leu Ile
1 5 10 15
Leu Val Ile Val Asn Ala Leu Ile Ile Asn Arg Lys Asn Met Phe Leu
20 25 30
Asn Asn Leu Gln Met Arg Thr Gln Met Val Val Phe Cys Leu Thr Glu
35 40 45
Val Asn Gln Ile Leu Trp Phe Lys Tyr Asn Ala Lys Phe Gln Asp Ser
50 55 60

<210> 4081

<211> 38
<212> PRT
<213> Homo sapiens

<400> 4081
Met Thr Ser Ala Arg Lys Ala Cys Phe Cys Phe Met Trp Ser Leu Ile
1 5 10 15

Leu Gln His Ala His Ser Thr Cys Ser Trp Leu Gly Lys Val Pro Thr
20 25 30

Asp Ile Tyr Lys Ala Ser
35

<210> 4082
<211> 21
<212> PRT
<213> Homo sapiens

<400> 4082
Met Ile Leu Phe Phe Cys Trp Ala Pro Ile Cys Phe Phe Leu Cys Asn
1 5 10 15

Glu Ser Leu Lys Glu
20

<210> 4083
<211> 26
<212> PRT
<213> Homo sapiens

<400> 4083
Met Pro Pro Gly Cys Leu Ala Val Thr Glu Cys Leu Phe Leu Leu Ala
1 5 10 15

Tyr Trp Ser His Val Ile Phe Val Thr Trp
20 25

<210> 4084
<211> 10
<212> PRT
<213> Homo sapiens

<400> 4084
Met Ile His Thr Pro His Asn Ser Pro Ile
1 5 10

<210> 4085
<211> 69
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4085
Met Ser Glu Arg His Gly Pro Ser Pro Gln Ser Val Leu Leu Ser Leu
1 5 10 15

Trp Phe Val Leu Thr Leu Thr Pro Phe Leu Phe Leu Thr Leu Leu Ser
20 25 30

Cys Met Glu His Thr Ala Pro Ala Pro Phe Gln Ser Ala Trp Gln Thr
35 40 45

Pro Gly Leu Xaa Arg Ser Ser Ser Phe Cys Val Pro Phe Arg Ser Ser
50 55 60

Leu Cys Ser Val Arg
65

<210> 4086
<211> 30
<212> PRT
<213> Homo sapiens

<400> 4086
Met Arg Ala Glu Leu His Gly Leu Val Cys Leu Ser Ala Val Ser Thr
1 5 10 15

Met Thr Ala Ala Val Ser Gly Thr Glu Met Pro Asn Ile Cys
20 25 30

<210> 4087
<211> 31
<212> PRT
<213> Homo sapiens

<400> 4087
Asp Thr Leu Leu Ser Pro Trp Leu Leu Val Trp Tyr Val Arg Leu Pro
1 5 10 15

Ala Val Phe Pro Phe Leu Asn Ser Thr Ala Gly Ser Ser Leu Lys
20 25 30

<210> 4088
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4088
Met Ala Ser Ser Val Thr Thr Ile Ser Leu Leu Leu Ala Ser Phe
1 5 10 15

Thr Ser Leu Ser Cys Val Trp Tyr Phe Met Phe Ser Cys Gln Asp Cys
20 25 30

Val Asp Leu Gln Ile Leu Ser Leu Pro Asp Glu Val Ile Cys
35 40 45

<210> 4089
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4089
Met Ala Ile His Ile Trp Thr Met Tyr Phe Arg Leu Leu His Leu Tyr
1 5 10 15

Thr Leu Val Pro Ser Ala Gly Gly Trp Gly Val Cys Ala Cys Ile Pro
20 25 30

Arg Gln

<210> 4090
<211> 32
<212> PRT
<213> Homo sapiens

<400> 4090
Asp Phe Leu Leu Leu Ile Glu Trp Phe Ile Ser Leu Lys Thr Phe Glu
1 5 10 15

Met Ala His Glu Leu Leu Gly Gln Ile Met Glu Thr Ser Thr Leu Leu
20 25 30

<210> 4091
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4091
Met Pro Ile Leu Ser His Trp Thr Tyr Val Asp Trp Phe Leu Leu
1 5 10 15

Leu Cys Thr Tyr Lys Tyr Ile Tyr Lys Met Asn Ile Val His Ala Phe
20 25 30

Arg

<210> 4092
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4092
Met Xaa Trp Leu Lys Leu Ser Phe Phe Val Trp Ala Pro Val Leu Thr
1 5 10 15

Val Leu Gln Cys Ser Trp Gln Val Glu Trp
20 25

<210> 4093
<211> 32
<212> PRT
<213> Homo sapiens

<400> 4093
Met Asn His Leu Leu Ile Leu Leu Thr Lys His Leu Ile His Thr Gln
1 5 10 15

Met Leu Glu Phe Pro Leu Tyr Lys Cys Ser His Ala Ile Gln Leu Phe
20 25 30

<210> 4094
<211> 119
<212> PRT
<213> Homo sapiens

<400> 4094
Met Cys Tyr Arg Arg Ser Leu Leu Lys Val Leu Met Ser Ile Tyr Leu
1 5 10 15

Leu Tyr Lys Ala Ile Tyr Ala Thr Gly Ser Leu Lys Ile Gln Tyr Cys
20 25 30

Ser Ser Ser Lys Arg Ser Thr Lys Pro Arg Val Ser Ser Leu Ile Ser
35 40 45

Leu Tyr Ser Lys Asn Asp Pro Ser Met Gly Trp Leu Asn Thr Asp Ile
50 55 60

Glu Gly Ile Leu Pro Gln Lys Ile His Leu Phe Val Ala Gly Asn Phe
65 70 75 80

Pro Leu Leu Ser Cys Val Ile Ser Phe Leu Leu Leu Ala Thr Thr His
85 90 95

His Trp Gly Leu Trp Lys Ile Ile Phe Leu Phe Gly Asn Glu Trp Lys
100 105 110

Ser Lys Arg Pro Tyr Tyr Phe
115

<210> 4095
<211> 17
<212> PRT
<213> Homo sapiens

<400> 4095
Met Thr Lys Ser Val Phe Phe Ser Phe Leu Ser Leu Ser Leu Ser Leu
1 5 10 15

Gly

<210> 4096
<211> 56
<212> PRT
<213> Homo sapiens

<400> 4096
Met Trp Lys Glu Asn Ile Ser Phe Ser Phe Phe Ile Lys Ile Gln Val
1 5 10 15

Ile Leu Leu Leu Tyr Glu Gln Phe Phe Leu Ile Gly His Val Ala Lys
20 25 30

Asn Thr Ala Tyr Ser Lys Cys Val Ser Cys Cys His Asp Val Tyr Pro
35 40 45

Tyr Asn Asn Ser Val Thr Lys Val
50 55

<210> 4097
<211> 89
<212> PRT
<213> Homo sapiens

<400> 4097
Leu Gly Leu Trp Pro Ile Trp Tyr Ala Ser Cys Val Cys Met Val Cys
1 5 10 15

Ala Val Ser Leu His Leu Phe Tyr Thr Ser Trp Gly His Gly Pro Gln
20 25 30

Leu Leu Asp Arg Thr Leu Phe Ser Asn Pro Ala Leu Gly Asp Gln Pro
35 40 45

Ser Leu Ala Asn Ile Cys Met Phe Ser Tyr Ser Cys Leu Leu Lys Gly
50 55 60

Pro Thr Gln Arg Leu Asp Phe Leu Leu Pro Leu Cys Val Gly Thr Val
65 70 75 80

Cys Asp Ile Cys Lys Lys Cys Ala Asn
85

<210> 4098
<211> 30
<212> PRT
<213> Homo sapiens

<400> 4098
Met Asn Ala Ser Ile Leu Tyr Leu Cys Leu Val Ser Phe Cys Leu Ser
1 5 10 15

Ile Gln Glu Ala Phe Ile Lys Gly Pro Pro Cys Ala Ser His
20 25 30

<210> 4099
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4099
Leu Arg Val Ala Thr Leu Pro Gly Val Pro Leu Pro Arg Asp Tyr Gly
1 5 10 15

Gln Gly Pro Gly Ala Gly Arg Ala Ala Gly Ala Asp Thr Gly Ala Ala
20 25 30

Pro Glu Ser Gly Asn Ser Ala Ser
35 40

<210> 4100
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4100
Met Met Asp Ala Leu Val Phe Leu Pro Trp Phe Val Ser Ser Thr Arg
1 5 10 15

Ala Cys Ala Pro Arg Ile Cys Cys Asn Leu Ile Leu Val Lys Arg Pro
20 25 30

Ser Val Ser Ser
35

<210> 4101
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4101
Met Asn Phe Ile Ser Val Val Trp Gly Thr Leu Phe Leu Thr Val Gly
1 5 10 15

Glu Ala Ile Met Phe Leu Val Gly Gly Cys Ile Leu Phe Gln Ala Val
20 25 30

Gly Lys Gln Asp Leu Ala Leu His
35 40

<210> 4102
<211> 22
<212> PRT
<213> Homo sapiens

<400> 4102
Met Leu Leu Ser Pro Phe Ile Phe Cys Phe Phe Leu Ile Thr Val Gly
1 5 10 15
Leu Ile Glu Asn Trp Ser
20

<210> 4103
<211> 65
<212> PRT
<213> Homo sapiens

<400> 4103
Met Asn Leu Ser Lys Ala Pro Ala Leu Arg Phe Leu Trp Ser Cys Ser
1 5 10 15
Ser Ile Thr Gly Ala Ala Gly Asn Leu Asn Thr Thr Ser Trp Ser Thr
20 25 30
Arg Leu Trp Pro Asn Gly Arg Arg Lys Lys Leu Ser Ser Gly Trp Ser
35 40 45
Ser Trp Ala Leu Gly His Leu Phe Thr Gly Lys Gly Phe Tyr Leu Asn
50 55 60

Glu
65

<210> 4104
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4104
Met Val Tyr Arg Ile Gln His Ala Asp Thr Trp Trp Asp Leu Leu Leu
1 5 10 15
Leu Gly Phe Cys Tyr Thr Arg Val Ser Val Val Ser Ala Ser Ile Tyr
20 25 30
Val Cys

<210> 4105

<211> 47
<212> PRT
<213> Homo sapiens

<400> 4105
Met Val Tyr Arg Ile Gln His Ala Asp Thr Trp Trp Thr Tyr Cys Tyr
1 5 10 15

Trp Gly Phe Val Ile Leu Gly Phe Gln Trp Ser Val Leu Val Phe Met
20 25 30

Tyr Val Asn Pro Arg Cys Ala Leu Asp Ser Gly Tyr Phe Lys Phe
35 40 45

<210> 4106
<211> 2
<212> PRT
<213> Homo sapiens

<400> 4106
Met Val
1

<210> 4107
<211> 85
<212> PRT
<213> Homo sapiens

<400> 4107
Met Pro Trp Leu Asn Gln Val Leu Arg Ala Ala Ser Leu Ser Pro Arg
1 5 10 15

Cys Leu Val Trp Val Pro Val Leu Gly Phe Leu Gly Pro Gly Leu Pro
20 25 30

Pro Val Leu Gln Thr Phe Pro Thr Gly Asn Pro Gly Tyr His Pro Cys
35 40 45

Pro Pro Glu Glu Leu Pro Pro Pro Gly Leu Ser Pro Val Gly Pro Gly
50 55 60

Gly Ala Gly Gly Thr Thr Gly Thr Cys Gly Ala Trp Glu Cys Leu Ser
65 70 75 80

Cys Cys Ile Gly Pro
85

<210> 4108
<211> 144
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4108

Ser Val Leu Trp Asn Ala Met Ile His Pro Leu Cys Asn Met Thr Leu
1 5 10 15

Lys Gly Val Val Trp Tyr Gln Gly Glu Ser Asn Ile Asn Tyr Asn Thr
20 25 30

Asp Leu Tyr Asn Cys Thr Phe Pro Ala Leu Ile Glu Asp Trp Arg Glu
35 40 45

Thr Phe His Arg Gly Ser Gln Gly Gln Thr Glu Arg Phe Phe Pro Phe
50 55 60

Gly Leu Val Gln Leu Ser Ser Asp Leu Ser Lys Lys Xaa Ser Asp Asp
65 70 75 80

Gly Phe Pro Gln Ile Arg Trp His Gln Thr Ala Asp Phe Gly Tyr Val
85 90 95

Pro Asn Pro Lys Met Pro Asn Thr Phe Met Ala Val Ala Met Asp Leu
100 105 110

Cys Asp Arg Asp Ser Pro Phe Gly Ser Ile His Pro Arg Asp Lys Gln
115 120 125

Asn Cys Gly Leu Ser Ala Ala Phe Gly Gly Pro Cys Ser Gly Leu Trp
130 135 140

<210> 4109

<211> 13

<212> PRT

<213> Homo sapiens

<400> 4109

Met Ser Pro Thr Gln Arg Cys Pro Ile Leu Ser Trp Leu
1 5 10

<210> 4110

<211> 26

<212> PRT

<213> Homo sapiens

<400> 4110

Met Met Met Leu Thr Leu Tyr Tyr Cys Lys Ile Asn Val Val Tyr Ile
1 5 10 15

Ser Leu Cys Thr Ala Ile Phe Cys Phe Trp
20 25

<210> 4111

<211> 40
<212> PRT
<213> Homo sapiens

<400> 4111
Met Ser Ala Ala Leu Leu Ser Ser Ser Leu Cys Trp Leu Arg Thr Leu
1 5 10 15
Ala Tyr Arg Pro Thr Asn Asn Gln Glu Ala Ala Leu Val Gly Thr His
20 25 30
Cys Ser Lys Gln Gly Lys Gln Val
35 40

<210> 4112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4112
Met His Val Ser Val Phe Val Leu Met Leu Leu Leu Pro Trp Gln Arg
1 5 10 15
Lys Lys Lys Glu
20

<210> 4113
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4113
Met Glu Cys Ser Leu Thr Leu Ala Gly Leu Thr Leu Ala Leu Pro Val
1 5 10 15
Gly Leu Pro Ala Ala Lys Thr Glu Ser Leu His Cys Ser Phe Ser Pro
20 25 30
Val Thr Arg Pro Val Tyr Gly Pro Asn Gly His Ala Ser Glu Asn Leu
35 40 45
Pro Trp Pro Leu Ser Lys Pro Ser Pro Gly Cys Asn Pro Cys Phe
50 55 60

<210> 4114
<211> 6
<212> PRT
<213> Homo sapiens

<400> 4114
Ala Ser Cys Leu Cys Val
1 5

<210> 4115
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4115
Met Leu Arg Phe Cys Met Leu Leu Gln Val Val Leu Phe His Met Cys Val
1 5 10 15

Cys Gly Val Asp Val Glu Leu Leu Thr Thr Ala Ala Ile Thr Tyr Cys
20 25 30

Ser

<210> 4116
<211> 13
<212> PRT
<213> Homo sapiens

<400> 4116
Phe Phe Phe Phe Phe Ser Gln Arg Leu Thr Lys Leu
1 5 10

<210> 4117
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4117
Met Arg Arg Asn Met Met Asn Pro Leu Thr Phe Met Leu Leu Gly Cys
1 5 10 15

Ala Cys Leu Arg Trp Leu His Leu Asn Ile Leu Thr Arg Ser Ala Lys
20 25 30

Met Leu Arg Arg Ser Thr Val Ala
35 40

<210> 4118
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4118
Met Ser Arg Val Gln Ser Trp Cys Pro Ala Trp Xaa Arg Trp
1 5 10

<210> 4119
 <211> 207
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 4119
 Ala Arg Ala Ala Val Val Val Pro Ala Glu Trp Ile Lys Asn Trp Glu
 1 5 10 15

 Lys Ser Gly Arg Gly Glu Phe Leu His Leu Cys Arg Ile Leu Ser Glu
 20 25 30

 Asn Lys Ser His Asp Ser Ser Thr Tyr Arg Asp Phe Gln Gln Ala Leu
 35 40 45

 Tyr Glu Leu Ser Tyr His Val Ile Lys Gly Asn Leu Lys His Glu Gln
 50 55 60

 Ala Ser Asn Val Leu Ser Asp Ile Ser Glu Phe Arg Glu Asp Met Pro
 65 70 75 80

 Ser Ile Leu Ala Asp Val Phe Cys Ile Leu Asp Ile Glu Thr Asn Cys
 85 90 95

 Leu Glu Glu Lys Ser Lys Arg Asp Tyr Phe Thr Gln Leu Val Leu Ala
 100 105 110

 Cys Leu Tyr Leu Val Ser Asp Thr Val Leu Lys Glu Arg Leu Asp Pro
 115 120 125

 Glu Thr Leu Glu Ser Leu Gly Leu Ile Lys Gln Ser Gln Gln Phe Asn
 130 135 140

 Gln Lys Ser Val Lys Ile Lys Thr Lys Leu Phe Tyr Lys Gln Gln Lys
 145 150 155 160

 Phe Asn Leu Leu Arg Glu Glu Asn Glu Xaa Tyr Ala Lys Leu Ile Ala
 165 170 175

 Glu Leu Gly Gln Asp Leu Ser Gly Ser Ile Thr Ser Asp Leu Ile Leu
 180 185 190

 Glu Asn Ile Lys Ser Leu Ile Gly Cys Phe Asn Leu Gly Ser Gln
 195 200 205

<210> 4120
 <211> 33
 <212> PRT
 <213> Homo sapiens

 <400> 4120
 Met Leu Leu Leu Thr Met Gly Phe Ile Gln Ile Leu Pro Val Phe Leu
 1 5 10 15

Leu Val Tyr Phe Phe Tyr Ser Arg Val Gln Ser Lys Ile Pro His Cys
20 25 30

Ile

<210> 4121
<211> 8
<212> PRT
<213> Homo sapiens

<400> 4121
Met Gly Leu Val Leu Glu Trp Cys
1 5

<210> 4122
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4122
Met Phe Leu Leu Ala Ile Leu Leu Pro Val Phe Leu Val Ala Trp Gly
1 5 10 15
Gly Lys Thr Lys Glu Ser Gly Trp Arg Ala Glu Gly Cys Arg Ala Val
20 25 30
Thr Leu Leu Leu
35

<210> 4123
<211> 29
<212> PRT
<213> Homo sapiens

<400> 4123
Met Ala Phe Leu Thr Met Arg Ile Leu Phe Phe Ala Tyr Ser Phe Ser
1 5 10 15
Lys Lys His Phe Leu Met Glu Ile Ser Glu His Gly His
20 25

<210> 4124
<211> 28
<212> PRT
<213> Homo sapiens

<400> 4124
Met Pro Val Thr Glu Leu Leu Gln Leu Leu Leu Thr Gln Lys Met
1 5 10 15
Lys Arg Leu Leu Asp Trp Gln Gln Asn Lys Val Glu
20 25

<210> 4125
<211> 61
<212> PRT
<213> Homo sapiens

<400> 4125
Met Ala Ile Phe Ser Leu Gly Phe Leu Phe Phe Leu Pro Val Ser Arg
1 5 10 15
Asn Ala Leu Phe Ile Pro Leu Pro Asn Leu Ala Ser Ser Val Ser Tyr
20 25 30
Val Phe Leu Ser His Lys Leu Glu Cys Phe Ile Phe Ser Tyr Ile Asn
35 40 45
Phe Pro Phe Phe Leu Ser Thr Leu Lys Lys Val Gln Gln
50 55 60

<210> 4126
<211> 31
<212> PRT
<213> Homo sapiens

<400> 4126
Met Gly Arg Cys Val Trp Met His Phe Ser Cys Ser Cys Cys Phe Ala
1 5 10 15
Phe Pro Asp Ser Thr Ile Pro Arg Gly Arg Gly Trp Ser Ile Leu
20 25 30

<210> 4127
<211> 338
<212> PRT
<213> Homo sapiens

<400> 4127
Met Ala Asn Asp Pro Leu Glu Gly Phe His Glu Val Asn Leu Ala Ser
1 5 10 15
Pro Thr Ser Pro Asp Leu Leu Gly Val Tyr Glu Ser Gly Thr Gln Glu
20 25 30
Gln Thr Thr Ser Pro Ser Val Ile Tyr Arg Pro His Pro Ser Ala Leu
35 40 45
Ser Ser Val Pro Ile Gln Ala Asn Ala Leu Asp Val Ser Glu Leu Pro
50 55 60
Thr Gln Pro Val Tyr Ser Ser Pro Arg Arg Leu Asn Cys Ala Glu Ile
65 70 75 80
Ser Ser Ile Ser Phe His Val Thr Asp Pro Ala Pro Cys Ser Thr Ser
85 90 95

Gly Val Thr Ala Gly Leu Thr Lys Leu Thr Thr Arg Lys Asp Asn Tyr
 100 105 110
 Asn Ala Glu Arg Glu Phe Leu Gln Gly Ala Thr Ile Thr Glu Ala Cys
 115 120 125
 Asp Gly Ser Asp Asp Ile Phe Gly Leu Ser Thr Asp Ser Leu Ser Arg
 130 135 140
 Leu Arg Ser Pro Ser Val Leu Glu Val Arg Glu Lys Gly Tyr Glu Arg
 145 150 155 160
 Leu Lys Glu Glu Leu Ala Lys Ala Gln Arg Glu Leu Lys Leu Lys Asp
 165 170 175
 Glu Glu Cys Glu Arg Leu Ser Lys Val Arg Asp Gln Leu Gly Gln Glu
 180 185 190
 Leu Glu Glu Leu Thr Ala Ser Leu Phe Glu Glu Ala His Lys Met Val
 195 200 205
 Arg Glu Ala Asn Ile Lys Gln Ala Thr Ala Glu Lys Gln Leu Lys Glu
 210 215 220
 Ala Gln Gly Lys Ile Asp Val Leu Gln Ala Glu Val Ala Ala Leu Lys
 225 230 235 240
 Thr Leu Val Leu Ser Ser Ser Pro Thr Ser Pro Thr Gln Glu Pro Leu
 245 250 255
 Pro Gly Gly Lys Thr Pro Phe Lys Lys Gly His Thr Arg Asn Lys Ser
 260 265 270
 Thr Ser Ser Ala Met Ser Gly Ser His Gln Asp Leu Ser Val Ile Gln
 275 280 285
 Pro Ile Val Lys Asp Cys Lys Glu Ala Asp Leu Ser Leu Tyr Asn Glu
 290 295 300
 Phe Arg Leu Trp Lys Asp Glu Pro Thr Met Asp Arg Thr Val Ser Phe
 305 310 315 320
 Leu Arg Gln Asn Leu Pro Gly Arg Tyr Leu Ser Met Phe Asn Ile Leu
 325 330 335
 Lys Lys

<210> 4128
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 4128
 Met Met Arg Leu Leu Trp Leu Met Ile Pro Trp Lys Ala Ser Met
 1 5 10 15

Lys

<210> 4129
<211> 54
<212> PRT
<213> Homo sapiens

<400> 4129
Met Tyr Gly Leu Cys Leu Leu Ser His Met Ser Leu Leu Val Val Thr
1 5 10 15

Trp Ala Leu Gly Val Tyr Val Thr Ser Asp His Leu Ala Glu Ile Leu
20 25 30

Gln Ala Pro Thr Pro Lys His Met Ser Ala Leu Leu Glu His Glu
35 40 45

Asp Asn Val Asn Glu Thr
50

<210> 4130
<211> 28
<212> PRT
<213> Homo sapiens

<400> 4130
Met Trp Met Met Leu Gly Thr Val Leu Gly Pro Gly Ile Met Thr Gly
1 5 10 15

Leu Met Met Met Met Thr Ala Met Arg Ala Arg Val
20 25

<210> 4131
<211> 188
<212> PRT
<213> Homo sapiens

<400> 4131
Gln Gly Ser Arg Glu Leu Leu Leu Ala Leu Ser Trp Leu Leu Ala Arg
1 5 10 15

Gly Pro Val Pro Glu Gln Met Leu Ala Gln Ala Arg Val Pro Leu Gly
20 25 30

Asp Glu Met Thr Val Cys Gln Cys Glu Ala Leu Ala Ser Pro Gly Pro
35 40 45

Pro Ala Pro His Met Glu Ala Glu Gly Pro Val Asp Val Arg His Val
50 55 60

Gln Trp Leu Met Gly Lys Leu Arg Phe Arg Trp Arg Gln Leu Val Ser
65 70 75 80

Ser Gln Gln Glu Gln Cys Ala Leu Leu Ser Lys Ile His Leu Tyr Thr
85 90 95

Arg Gly Cys His Ser Asp Gln Ser Leu Ser His Leu Ser Val Thr Glu
100 105 110

Ala Glu Met Leu Arg Gly Pro Arg Gly Arg Pro Ala Ala Ala Ala Gly
115 120 125

Leu Trp Ser Val Arg Thr Ser Ala Trp Arg Leu Ser Trp Arg Gly Gly
130 135 140

Ala Leu Ser Trp Ser Ser Gly Gly Trp Thr Arg Ser Trp Ala Pro
145 150 155 160

Val Pro Arg Arg Cys Leu Leu Gln Pro His Ser Pro Pro Pro Cys Pro
165 170 175

Gly Ser Pro Ser Ala Gly Val Ala Ser Trp Thr Trp
180 185

<210> 4132

<211> 16

<212> PRT

<213> Homo sapiens

<400> 4132

Leu Thr Gly Val Gly Leu Ser Ser Leu Cys Ser Trp Gln Cys Ser His
1 5 10 15

<210> 4133

<211> 34

<212> PRT

<213> Homo sapiens

<400> 4133

Met His Val Phe His Ser Ser Pro Leu Pro Val Tyr Ser Gly Gly Trp
1 5 10 15

Cys Ser Leu Leu Val Leu Leu Ser Leu Ala Glu Arg Thr Met Gly Ser
20 25 30

Ser Thr

<210> 4134

<211> 12

<212> PRT

<213> Homo sapiens

<400> 4134

His Leu Leu Phe Leu Leu Leu Cys Phe Thr Cys Lys
1 5 10

<210> 4135
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4135
Met Ser Trp Ala Pro Leu Gln Pro Gly Val Cys Ser Cys Gly Val Glu
1 5 10 15
Val Gly Gly Ala Gly Arg Asp Leu Gln Gly Ser Ser Cys Glu Gly Asp
20 25 30
Ser Ala Ala Thr Cys Arg Thr Leu Pro Leu Cys Leu Leu Pro Ala Trp
35 40 45
Asn Met Asp Val Met Ala Gly Ala Gly Thr Ala Val Leu Arg Ala
50 55 60

<210> 4136
<211> 318
<212> PRT
<213> Homo sapiens

<400> 4136
Met Ala Pro Trp Ala Glu Ala Glu His Ser Ala Leu Asn Pro Leu Arg
1 5 10 15
Ala Val Trp Leu Thr Leu Thr Ala Ala Phe Leu Leu Thr Leu Leu Leu
20 25 30
Gln Leu Leu Pro Pro Gly Leu Leu Pro Gly Cys Ala Ile Phe Gln Asp
35 40 45
Leu Ile Arg Tyr Gly Lys Thr Lys Cys Gly Glu Pro Ser Arg Pro Ala
50 55 60
Ala Cys Arg Ala Phe Asp Val Pro Lys Arg Tyr Phe Ser His Phe Tyr
65 70 75 80
Ile Ile Ser Val Leu Trp Asn Gly Phe Leu Leu Trp Cys Leu Thr Gln
85 90 95
Ser Leu Phe Leu Gly Ala Pro Phe Pro Ser Trp Leu His Gly Leu Leu
100 105 110
Arg Ile Leu Gly Ala Ala Gln Phe Gln Gly Gly Glu Leu Ala Leu Ser
115 120 125
Ala Phe Leu Val Leu Val Phe Leu Trp Leu His Ser Leu Arg Arg Leu
130 135 140
Phe Glu Cys Leu Tyr Val Ser Val Phe Ser Asn Val Met Ile His Val
145 150 155 160
Val Gln Tyr Cys Phe Gly Leu Val Tyr Tyr Val Leu Val Gly Leu Thr
165 170 175
Val Leu Ser Gln Val Pro Met Asp Gly Arg Asn Ala Tyr Ile Thr Gly

180

185

190

Lys Asn Leu Leu Met Gln Ala Arg Trp Phe His Ile Leu Gly Met Met
195 200 205

Met Phe Ile Trp Ser Ser Ala His Gln Tyr Lys Cys His Val Ile Leu
210 215 220

Gly Asn Leu Arg Lys Asn Lys Ala Gly Val Val Ile His Cys Asn His
225 230 235 240

Arg Ile Pro Phe Gly Asp Trp Phe Glu Tyr Val Ser Ser Pro Asn Tyr
245 250 255

Leu Ala Glu Leu Met Ile Tyr Val Ser Met Ala Val Thr Phe Gly Phe
260 265 270

His Asn Leu Thr Trp Trp Leu Val Val Thr Asn Val Phe Phe Asn Gln
275 280 285

Ala Leu Ser Ala Phe Leu Ser His Gln Phe Tyr Lys Ser Lys Phe Val
290 295 300

Ser Tyr Pro Lys His Arg Lys Ala Phe Leu Pro Phe Leu Phe
305 310 315

<210> 4137

<211> 36

<212> PRT

<213> Homo sapiens

<400> 4137

Met Asp Leu Lys Gly Arg Thr Lys Cys Ser Gln Tyr Phe Leu Leu Ser
1 5 10 15

Val Val Leu Leu Leu Ser Met Gly Ile Val Gly Ser Ile Ile Glu Thr
20 25 30

Leu Gly Lys Leu
35

<210> 4138

<211> 109

<212> PRT

<213> Homo sapiens

<400> 4138

Met Glu Leu Thr Ile Phe Ile Leu Arg Leu Ala Ile Tyr Ile Leu Thr
1 5 10 15

Phe Pro Leu Tyr Leu Leu Asn Phe Leu Gly Leu Trp Ser Trp Ile Cys
20 25 30

Lys Lys Trp Phe Pro Tyr Phe Leu Val Arg Phe Thr Val Ile Tyr Asn
35 40 45

Glu Gln Met Ala Ser Lys Lys Arg Glu Leu Phe Ser Asn Leu Gln Glu

50

55

60

Phe Ala Gly Pro Ser Gly Lys Leu Ser Leu Leu Glu Val Gly Cys Gly
65 70 75 80

Thr Gly Ala Asn Phe Lys Thr Pro Ser Gln Lys Lys Lys Lys Lys Lys
85 90 95

Arg Ser Arg Asp Arg Glu Thr Gly Ser His Cys Val Ala
100 105

<210> 4139

<211> 32

<212> PRT

<213> Homo sapiens

<400> 4139

Met Met Val Ile Ile Val Lys Lys Ile Leu Leu Ile Val Leu Arg Glu
1 5 10 15

Ser Thr Thr Leu Cys Gln Ile Pro Cys Phe Phe Leu Lys Pro Leu Lys
20 25 30

<210> 4140

<211> 73

<212> PRT

<213> Homo sapiens

<400> 4140

Met Ala Asn Ile His Trp Ala Ala Gln Thr Val Leu Leu Leu Pro His
1 5 10 15

Leu Ala Pro Ala Phe Trp Gly Pro Ala Ala His Glu Leu Ile Pro Phe
20 25 30

Gln Ala Ser Leu Gly Tyr Ile His Pro Leu Trp Leu Leu Thr His Gly
35 40 45

Val Lys Pro Arg Ala His Phe Ser Tyr Gln Pro Gly Leu Gly His Ile
50 55 60

Tyr Val Met Leu Leu Pro Ser Phe Thr
65 70

<210> 4141

<211> 34

<212> PRT

<213> Homo sapiens

<400> 4141

Met Ile Ala Gln Leu Gln Ser Pro Cys Ser Phe Tyr Leu Ile Met Leu
1 5 10 15

Ala Leu Phe Ser Met Ser Val Trp Thr His Ile Lys Thr Pro Ser Cys
20 25 30

Thr Leu

<210> 4142
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4142
Met Ala Ser Leu Trp Leu Val Ser Trp Asp Leu Leu Leu Leu Ser
1 5 10 15

His Asp Cys Arg Leu Ala Arg Ile Trp Leu Trp Met Ala Trp Thr Gln
20 25 30

Ala Ser Arg Ser Ser Tyr Val Val Ala Ser Lys Cys His Val Trp Pro
35 40 45

Val Ala Asp Thr Ile Ile Lys Leu Leu Val Leu Phe Phe Phe Arg Cys
50 55 60

Phe Phe Leu Leu Ala
65

<210> 4143
<211> 98
<212> PRT
<213> Homo sapiens

<400> 4143
Met Leu Ala Met Lys Leu Leu Val Leu Trp Thr Val Val Cys Pro Gln
1 5 10 15

Leu Val Phe Leu Gln Lys Gln Leu His Lys Thr Thr Pro Asn Leu Pro
20 25 30

Gln Ser Ser Gln Glu Leu Val Ser Asp Gln Arg Val Arg Gln Ser Pro
35 40 45

Arg Pro Gln Lys Leu Leu Phe Leu Pro Ala Pro Arg Gln Phe His Arg
50 55 60

Leu Pro Ser Arg Gly Arg Thr Thr Ala Lys Val Ser Ser Ser Thr Ser
65 70 75 80

Gly Thr Lys Trp Ser Trp Gly Leu Cys Tyr Gly Thr Ser Leu Thr Glu
85 90 95

Cys Gln

<210> 4144
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4144
Met Ser Val Cys Val Leu Tyr Leu Gln Ser Leu Val Ile Val Pro Tyr
1 5 10 15
Ile Thr Cys Lys Gln Ile Leu Tyr Phe Ile Leu Ala Tyr Leu Thr Glu
20 25 30
His Ile Thr Gln Lys Lys
35

<210> 4145
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4145
Met Pro Gly Lys Gln Asp Trp Leu Phe Leu Gln Lys Asn Arg Thr Val
1 5 10 15
Pro Tyr Ile Trp Pro Val Gln Leu Val Tyr Leu Met Pro Met Phe Leu
20 25 30
Leu Arg Val Met His Ala Tyr His Leu Phe Gln Arg Arg Asp
35 40 45

<210> 4146
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4146
Met Cys His His Thr Gln Leu Ser Ser Phe Leu Leu Asn Phe Phe Ser
1 5 10 15
Glu Phe Ser Thr Leu Leu Val Leu Thr Ala Ile Ser Met Phe Cys Phe
20 25 30
Ser Leu Val Thr Tyr Ala
35

<210> 4147
<211> 23
<212> PRT
<213> Homo sapiens

<400> 4147
Met Phe Val Ala Val Phe Leu Phe Cys Phe Val Phe Cys Lys Phe His
1 5 10 15
Ser Ala Ile Ser Val Phe Asn

<210> 4148
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (211)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4148
Met Leu Pro Val Val Trp Ile Ile Leu Cys Ser Ser Ala Gln Phe Pro
1 5 10 15

His Leu Trp Lys Leu His Ser His Leu Ala Gln Met Ser His Ser Ser
20 25 30

Leu Leu Pro Leu Glu Asn Arg Ser Leu Ser Leu Cys Arg Thr Arg Cys
35 40 45

Ser Asp Pro Leu Ser Cys Thr Leu Ala Pro Phe Leu Pro Pro Thr Val
50 55 60

Ser Leu Ser Thr Leu Ser Ser Ala Leu Gln Ser Ser Phe Cys Ser Phe
65 70 75 80

Phe Leu Arg Arg Gln Cys Arg Pro Ser Cys Ser Pro Val Pro Gly Val
85 90 95

His Ile Ser Asn Phe Gly Ser Ala Ser Trp Thr Cys Pro Cys Gly Cys
100 105 110

Leu Ala Ile His Ser Asn Pro Ala Ser Pro Lys Gly Met Ile Leu Pro
115 120 125

Tyr Phe Leu Leu Thr Gln Leu Cys Gly Gln Ser Ser Arg Thr Asn Gly
130 135 140

Ser Lys Leu Pro Pro Asn Thr His Pro Arg Leu Xaa Ala Trp Ala Pro
145 150 155 160

Leu Ala Ser Pro Arg Ala Ala His Ile Lys Val Gln Leu Gly Ser Glu
165 170 175

Leu Leu Gln Glu Ala Ser Pro Ala Leu Leu Cys Arg Arg Thr Leu Leu
180 185 190

Leu His Thr Xaa Ser Pro Ile Leu Trp Gln Ala Leu Leu Tyr Pro Gln
195 200 205

Ala Ser Xaa Gln Thr Ser Leu Thr Cys
210 215

<210> 4149
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4149
Met Met Ser Thr Ser Gln Thr Ala Pro Leu Trp Cys Leu Trp Pro Pro
1 5 10 15

Ser Arg Met Thr Leu Ala Val Ser Leu Ser Pro Ala Ser Arg Arg Arg
20 25 30

Gly Ser Arg
35

<210> 4150
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4150
Met Lys His Phe Leu Phe Phe Ser Phe Leu Ala Phe Leu Ser Leu Tyr
1 5 10 15

Leu Met Tyr Thr Trp Lys Leu Gln Gly Leu Ser Thr Gly His Ala Ser
20 25 30

Leu Tyr Arg Ser His Leu Cys Leu
35 40

<210> 4151
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4151
Met Glu Asn Met Tyr Trp Gly Pro Leu Gly Leu Thr Ser Glu Ile Val
1 5 10 15

Leu Phe Ile Leu Leu His Leu Ala Phe Gln Leu Met Glu Lys Tyr Lys
20 25 30

Phe Lys Phe
35

<210> 4152
<211> 34

<212> PRT

<213> Homo sapiens

<400> 4152

Gln Lys Leu Leu Leu Phe Tyr Ala Gln Ser Asp Ile Glu Ser Phe His
1 5 10 15

Leu Phe Leu Ser Pro Leu Leu Leu Ser Asp Met Leu Leu Gln Phe
20 25 30

Leu Thr

<210> 4153

<211> 44

<212> PRT

<213> Homo sapiens

<400> 4153

Gly Leu Gly Ser Gly Glu Trp Phe Pro Ala Leu Gln Leu Met Trp Leu
1 5 10 15

Leu Arg Gly Thr Gln Ala Leu Phe His Tyr Leu Pro Asn Asn Gly Gly
20 25 30

Pro Val Phe Asn Cys Ser Thr Thr Thr Gln Asn Thr
35 40

<210> 4154

<211> 31

<212> PRT

<213> Homo sapiens

<400> 4154

Met Leu Leu Arg Val Arg Arg Val Gly Ile Ile Cys His Leu Glu Phe
1 5 10 15

Leu Cys Leu Ala Asp Leu Ser Ser Asp Leu Pro Ile Tyr Gln Arg
20 25 30

<210> 4155

<211> 46

<212> PRT

<213> Homo sapiens

<400> 4155

Met Ser Pro Gly Gly Phe Leu Leu Leu Thr Ser Leu Gly Pro Thr Ile
1 5 10 15

Gly Phe Leu Ala Gly Leu Arg Ser Leu Arg Glu Val Ala Ile Ser Lys
20 25 30

Arg Lys Asp Phe Tyr Leu Arg Leu Ser Gly Lys Glu Ala Glu
35 40 45

<210> 4156
<211> 23
<212> PRT
<213> Homo sapiens

<400> 4156
Met Ser Gln Ser Leu Ile Ile Asn Leu Phe Leu Cys Ile Tyr Ile Leu
1 5 10 15
Leu Val Leu Ser Gly Glu Pro
20

<210> 4157
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4157
Met Met Ile Leu Phe Cys Gln Leu Leu Ala Val Ser Trp Gly Cys Cys
1 5 10 15
Val Tyr Ser Thr Thr Asn Pro Lys Val Ser Ala Ile His Cys Gly Phe
20 25 30
Ile Glu His Leu Leu Val Cys Ala Cys Val Gly Gly Ile
35 40 45

<210> 4158
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4158
Met Cys Val Gln Lys Arg Gln Leu Pro Ile Gly Pro Arg Ser His Phe
1 5 10 15
Leu Met Val Leu Ile Leu Phe Met Gln Pro Val Pro Phe Val His Ile
20 25 30
Ser Trp Leu Val Asn Lys Ala Thr Ser Asp Leu Phe Phe Lys Asp Leu
35 40 45

<210> 4159
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4159
Met Xaa Phe Trp Ala Ala Met Gly Leu Leu Glu His Trp Cys Val His
1 5 10 15
Leu His Ser Met Cys Trp Asn Pro Gln Glu Ser Gly Gly Ala His Ile
20 25 30
Gln Gly Lys Val Ser
35

<210> 4160

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4160
Met Xaa Phe Trp Ala Ala Met Gly Leu Leu Glu His Trp Cys Val His
1 5 10 15
Leu His Ser Met Cys Trp Asn Pro Gln Glu Ser Gly Gly Ala His Ile
20 25 30
Gln Gly Lys Val Ser
35

<210> 4161

<211> 59

<212> PRT

<213> Homo sapiens

<400> 4161

Met Leu Ala Arg Leu Arg Gln Val Ser Thr Leu Cys Cys Leu Ser Leu
1 5 10 15

Ala Gln Thr Gly His Phe Val Trp Leu Phe Pro Ser Thr Arg Pro Gln
20 25 30

Trp Glu Gln Ala Ser Leu Pro Gln Ala Ser Glu Thr Asp His Pro Ile
35 40 45

Pro Pro Ser Pro Val Asn Leu Pro Leu Phe Pro
50 55

<210> 4162

<211> 24

<212> PRT

<213> Homo sapiens

<400> 4162
Leu Phe His Ile Thr Glu Trp Asp Leu Cys Phe Glu Glu Thr Asn Pro
1 5 10 15

Thr Asp Thr Leu Ile Leu Asp Phe
20

<210> 4163
<211> 56
<212> PRT
<213> Homo sapiens

<400> 4163
Met Lys Ser His Ser Val Trp Leu Pro Thr Leu Tyr Cys Ala Val Val
1 5 10 15

Lys Val Tyr Leu Cys Val Gly Cys Ser His Pro Leu Val Ser Thr Gly
20 25 30

Ile Gly Pro Arg Ser Leu His Arg Ser Pro Ala Gly Met Pro Val Ser
35 40 45

His Ser Ala Pro Cys Lys Thr His
50 55

<210> 4164
<211> 52
<212> PRT
<213> Homo sapiens

<400> 4164
Met Ile Leu Met Ser Leu Leu Pro Ile Phe Trp Leu Val Thr Pro Leu
1 5 10 15

His Ile Ile Ser Ser Pro Phe Val Leu Cys Val Leu Trp Gly Val
20 25 30

Cys Val Cys Val Cys Val Cys Val Val Gly Glu Gly Cys Phe Arg Asn
35 40 45

Glu Arg Glu Lys
50

<210> 4165
<211> 477
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (341)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4165
Met Ala Leu Arg His Ser Ala Cys Arg Arg Phe Ser Leu Ala Glu Phe
1 5 10 15

Ala Gln Xaa Gln Ala Arg Ala Arg His Glu Lys Leu Arg Gln Arg Leu
20 25 30

Lys Glu Glu Lys Leu Glu Met Leu Gln Trp Lys Leu Ser Ala Ala Gly
35 40 45

Val Pro Gln Ala Glu Ala Gly Leu Pro Pro Val Val Asp Ala Ile Xaa
50 55 60

Asp Ala Ser Val Glu Glu Asp Leu Xaa Val Ala Xaa Ala Gly Gly Arg
65 70 75 80

Leu Glu Glu Val Ser Phe Leu Gln Pro Xaa Pro Ala Arg Arg Arg Arg
85 90 95

Ala Leu Leu Arg Ala Ser Gly Val Arg Arg Ile Asp Arg Glu Glu Xaa
100 105 110

Arg Glu Leu Gln Ala Leu Arg Gln Ser Arg Glu Asp Cys Gly Cys His

115 120 125

Cys	Asp	Arg	Ile	Cys	Asp	Pro	Glu	Thr	Cys	Ser	Cys	Xaa	Leu	Ala	Gly
130				135					140						
Ile	Lys	Cys	Gln	Met	Asp	His	Thr	Ala	Phe	Pro	Cys	Gly	Cys	Cys	Arg
145				150				155							160
Glu	Gly	Cys	Glu	Asn	Pro	Met	Gly	Arg	Val	Glu	Phe	Asn	Gln	Ala	Arg
				165				170							175
Val	Gln	Thr	His	Xaa	Ile	His	Thr	Leu	Thr	Arg	Leu	Gln	Leu	Glu	Gln
				180				185				190			
Glu	Ala	Glu	Ser	Phe	Arg	Glu	Leu	Glu	Ala	Pro	Ala	Gln	Gly	Ser	Pro
				195			200			205					
Pro	Ser	Pro	Gly	Glu	Glu	Ala	Leu	Val	Pro	Thr	Phe	Pro	Leu	Ala	Lys
				210			215			220					
Pro	Pro	Met	Asn	Asn	Glu	Leu	Gly	Asp	Asn	Ser	Cys	Ser	Ser	Asp	Met
				225			230			235				240	
Thr	Asp	Ser	Ser	Thr	Ala	Ser	Ser	Ser	Ala	Ser	Gly	Thr	Ser	Glu	Ala
				245			250					255			
Pro	Asp	Cys	Pro	Thr	His	Pro	Gly	Leu	Pro	Gly	Pro	Gly	Phe	Gln	Pro
				260			265			270					
Gly	Val	Asp	Asp	Asp	Ser	Leu	Ala	Arg	Ile	Leu	Ser	Phe	Ser	Asp	Ser
				275			280			285					
Asp	Phe	Gly	Gly	Glu	Glu	Glu	Glu	Glu	Glu	Gly	Ser	Val	Gly	Asn	
				290			295			300					
Leu	Asp	Asn	Leu	Ser	Cys	Phe	His	Pro	Ala	Asp	Ile	Phe	Gly	Thr	Ser
				305			310			315			320		
Asp	Pro	Gly	Gly	Leu	Ala	Ser	Trp	Thr	His	Ser	Tyr	Ser	Gly	Cys	Ser
				325			330			335					
Phe	Thr	Ser	Gly	Xaa	Leu	Asp	Glu	Asn	Ala	Asn	Leu	Asp	Ala	Ser	Cys
				340			345			350					
Phe	Leu	Asn	Gly	Gly	Leu	Glu	Gly	Ser	Arg	Glu	Gly	Ser	Leu	Pro	Gly
				355			360			365					
Thr	Ser	Val	Pro	Pro	Ser	Met	Asp	Ala	Gly	Arg	Ser	Ser	Ser	Val	Asp
				370			375			380					
Leu	Ser	Leu	Ser	Ser	Cys	Asp	Ser	Phe	Glu	Leu	Leu	Gln	Ala	Leu	Pro
				385			390			395			400		
Asp	Tyr	Ser	Leu	Gly	Pro	His	Tyr	Thr	Ser	Gln	Lys	Val	Ser	Asp	Ser
				405			410					415			
Leu	Asp	Asn	Ile	Glu	Ala	Pro	His	Phe	Pro	Leu	Pro	Gly	Leu	Ser	Pro
				420			425			430					
Pro	Gly	Asp	Ala	Ser	Ser	Cys	Phe	Leu	Glu	Ser	Leu	Met	Gly	Phe	Ser
				435			440			445					

Glu Pro Ala Ala Glu Ala Leu Asp Pro Phe Ile Asp Ser Gln Phe Glu
450 455 460

Asp Thr Val Pro Ala Ser Leu Met Glu Pro Val Pro Val
465 470 475

<210> 4166
<211> 8
<212> PRT
<213> Homo sapiens

<400> 4166
Gly Gly Leu Trp Leu Ser Leu Arg
1 5

<210> 4167
<211> 2
<212> PRT
<213> Homo sapiens

<400> 4167
Ser Leu
1

<210> 4168
<211> 17
<212> PRT
<213> Homo sapiens

<400> 4168
Leu Ile Phe Ile Val Phe His Thr Ser Ser Gln Ser Leu Pro Gly Thr
1 5 10 15

Trp

<210> 4169
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4169
Met Pro Gly Phe Xaa Trp Phe Val Phe Val Phe Val Leu Ser Asn
1 5 10 15

Pro Ala

<210> 4170
<211> 629
<212> PRT
<213> Homo sapiens

<400> 4170
Met Cys Phe Ile Pro Leu Val Cys Trp Ile Val Cys Thr Gly Leu Lys
1 5 10 15
Gln Gln Met Glu Ser Gly Lys Ser Leu Ala Gln Thr Ser Lys Thr Thr
20 25 30
Thr Ala Val Tyr Val Phe Phe Leu Ser Ser Leu Leu Gln Pro Arg Gly
35 40 45
Gly Ser Gln Glu His Gly Leu Cys Ala His Leu Trp Gly Leu Cys Ser
50 55 60
Leu Ala Ala Asp Gly Ile Trp Asn Gln Lys Ile Leu Phe Glu Glu Ser
65 70 75 80
Asp Leu Arg Asn His Gly Leu Gln Lys Ala Asp Val Ser Ala Phe Leu
85 90 95
Arg Met Asn Leu Phe Gln Lys Glu Val Asp Cys Glu Lys Phe Tyr Ser
100 105 110
Phe Ile His Met Thr Phe Gln Glu Phe Phe Ala Ala Met Tyr Tyr Leu
115 120 125
Leu Glu Glu Glu Lys Glu Gly Arg Thr Asn Val Pro Gly Ser Arg Leu
130 135 140
Lys Leu Pro Ser Arg Asp Val Thr Val Leu Leu Glu Asn Tyr Gly Lys
145 150 155 160
Phe Glu Lys Gly Tyr Leu Ile Phe Val Val Arg Phe Leu Phe Gly Leu
165 170 175
Val Asn Gln Glu Arg Thr Ser Tyr Leu Glu Lys Lys Leu Ser Cys Lys
180 185 190
Ile Ser Gln Gln Ile Arg Leu Glu Leu Leu Lys Trp Ile Glu Val Lys
195 200 205
Ala Lys Ala Lys Lys Leu Gln Ile Gln Pro Ser Gln Leu Glu Leu Phe
210 215 220
Tyr Cys Leu Tyr Glu Met Gln Glu Glu Asp Phe Val Gln Arg Ala Met
225 230 235 240
Asp Tyr Phe Pro Lys Ile Glu Ile Asn Leu Ser Thr Arg Met Asp His
245 250 255
Met Val Ser Ser Phe Cys Ile Glu Asn Cys His Arg Val Glu Ser Leu
260 265 270
Ser Leu Gly Phe Leu His Asn Met Pro Lys Glu Glu Glu Glu

275

280

285

Lys Glu Gly Arg His Leu Asp Met Val Gln Cys Val Leu Pro Ser Ser
290 295 300

Ser His Ala Ala Cys Ser His Gly Leu Val Asn Ser His Leu Thr Ser
305 310 315 320

Ser Phe Cys Arg Gly Leu Phe Ser Val Leu Ser Thr Ser Gln Ser Leu
325 330 335

Thr Glu Leu Asp Leu Ser Asp Asn Ser Leu Gly Asp Pro Gly Met Arg
340 345 350

Val Leu Cys Glu Thr Leu Gln His Pro Gly Cys Asn Ile Arg Arg Leu
355 360 365

Trp Leu Gly Arg Cys Gly Leu Ser His Glu Cys Cys Phe Asp Ile Ser
370 375 380

Leu Val Leu Ser Ser Asn Gln Lys Leu Val Glu Leu Asp Leu Ser Asp
385 390 395 400

Asn Ala Leu Gly Asp Phe Gly Ile Arg Leu Leu Cys Val Gly Leu Lys
405 410 415

His Leu Leu Cys Asn Leu Lys Leu Trp Leu Val Ser Cys Cys Leu
420 425 430

Thr Ser Ala Cys Cys Gln Asp Leu Ala Ser Val Leu Ser Thr Ser His
435 440 445

Ser Leu Thr Arg Leu Tyr Val Gly Glu Asn Ala Leu Gly Asp Ser Gly
450 455 460

Val Ala Ile Leu Cys Glu Lys Ala Lys Asn Pro Gln Cys Asn Leu Gln
465 470 475 480

Lys Leu Gly Leu Val Asn Ser Gly Leu Thr Ser Val Cys Cys Ser Ala
485 490 495

Leu Ser Ser Val Leu Ser Thr Asn Gln Asn Leu Thr His Leu Tyr Leu
500 505 510

Arg Gly Asn Thr Leu Gly Asp Lys Gly Ile Lys Leu Leu Cys Glu Gly
515 520 525

Leu Leu His Pro Asp Cys Lys Leu Gln Val Leu Glu Leu Asp Asn Cys
530 535 540

Asn Leu Thr Ser His Cys Cys Trp Asp Leu Ser Thr Leu Leu Thr Ser
545 550 555 560

Ser Gln Ser Leu Arg Lys Leu Ser Leu Gly Asn Asn Asp Leu Gly Asp
565 570 575

Leu Gly Val Met Met Phe Cys Glu Val Leu Lys Gln Gln Ser Cys Leu
580 585 590

Leu Gln Asn Leu Gly Leu Ser Glu Met Tyr Phe Asn Tyr Glu Thr Lys
595 600 605

Ser Ala Leu Glu Thr Leu Gln Glu Glu Lys Pro Glu Leu Thr Val Val
610 615 620

Phe Glu Pro Ser Trp
625

<210> 4171
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4171
Met Tyr Val Cys Ala Cys Val Phe Val Cys Ala Tyr Cys Val His Met
1 5 10 15

Cys Val Ser Arg Leu Cys Val Ser Phe Trp Gly Met Cys Val Ser Val
20 25 30

Leu Leu

<210> 4172
<211> 16
<212> PRT
<213> Homo sapiens

<400> 4172
Met Thr Glu Leu Leu Leu Phe Phe Ser Pro Leu Tyr Gln Glu Val Asn
1 5 10 15

<210> 4173
<211> 2
<212> PRT
<213> Homo sapiens

<400> 4173
Met Ser
1

<210> 4174
<211> 15
<212> PRT
<213> Homo sapiens

<400> 4174
Met Ser Asn Trp Trp Arg Trp Gly Leu Leu Leu Trp Pro Pro Gln
1 5 10 15

<210> 4175
<211> 60
<212> PRT
<213> Homo sapiens

<400> 4175
Val Ile Thr Met Ala Leu Ala Ala Val Val Thr Glu Val Ala Leu Ala
1 5 10 15

Asn Leu Asn Val Val Glu Thr Val Ala Gly Val Thr Asn Gln Met Lys
20 25 30

Met Ile Gly Gln Asn His Ser His Gln Val Asn Ala Trp Asn Ser Lys
35 40 45

Phe Leu Lys Cys Met Leu Leu Val Met Lys Pro Tyr
50 55 60

<210> 4176
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4176
Pro Thr Leu Thr Ala Pro Thr Leu Ala Leu Leu Leu Pro Lys Ile
1 5 10 15

Ser Cys Leu Leu Thr Ser Thr His Pro Arg Thr Gln Gly Ser Arg Ala
20 25 30

His Phe Pro Arg Ala Trp Arg Thr Pro Gln Thr Pro Ser Ser Met
35 40 45

<210> 4177
<211> 27
<212> PRT
<213> Homo sapiens

<400> 4177
Met Ala Ser Thr Ser Arg Trp Thr Arg Trp Ala Leu Leu Leu Ala Ser
1 5 10 15

Ser Ser Ala Trp Pro Asn Ser Thr Ala Pro Ser
20 25

<210> 4178
<211> 51
<212> PRT
<213> Homo sapiens

<400> 4178
Met Ala Phe Leu Ser Leu Phe Pro Leu Ser Ser Leu Phe Ser His Phe
1 5 10 15

Ser Leu Phe Lys Thr Cys Leu Gln Ser Thr Gln Asn Arg Val Asp Lys
20 25 30

Ser Leu Ser Ser Pro Asp Phe Ser Trp Pro Arg Asn Glu Arg Leu Phe
35 40 45

Ser Lys Pro
50

<210> 4179
<211> 30
<212> PRT
<213> Homo sapiens

<400> 4179
Ile Ser Met Phe Ser Leu Leu Val Lys Met Cys Val Gln Met Thr Val
1 5 10 15

Gly Arg Asp Ala Arg Cys Lys Phe Thr Ser Leu Pro Ser Leu
20 25 30

<210> 4180
<211> 9
<212> PRT
<213> Homo sapiens

<400> 4180
Met Gly Thr Arg Leu Gly Asp Phe Cys
1 5

<210> 4181
<211> 31
<212> PRT
<213> Homo sapiens

<400> 4181
Met Leu Cys Val His Phe Ser Ala Arg Glu Ser Val Ala Phe Leu Cys
1 5 10 15

Leu Ser Lys Gly Ser Thr Val Gln Asn Ser Leu Ala Pro Leu Thr
20 25 30

<210> 4182
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4182

Ile Leu Ala Thr Pro Gln Pro Leu Val Val Pro His Ala His Phe Ala
1 5 10 15

Glu Asp Glu Pro Gln Val Leu Ile Arg Cys Trp Asn Lys Pro Pro Xaa
20 25 30

Leu Ser Glu Ser Pro Thr Asn Leu Glu Phe Glu Thr His Ser Leu Ala
35 40 45

Arg Leu Asn Gly Leu Cys Ser Ala Ile Lys Arg Leu Leu Gly Cys Tyr
50 55 60

Pro Trp Gln Gly
65

<210> 4183
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4183
Met Ser Ala Leu Pro Ser Pro Leu Cys Pro Phe Cys Ser Val Leu Leu
1 5 10 15

Leu Pro Ser Pro Pro Ala Arg Val Pro Gly Leu Cys Leu Leu Phe Leu
20 25 30

Ser Leu Pro Pro Leu Thr Pro Pro Ser Thr Val Gly Thr Cys Lys Pro
35 40 45

Gln Gly Cys Ala Pro Ser Trp Ser Pro Ile His Pro Arg Asn Val Ser
50 55 60

Cys Ser Ile Tyr Lys Gly His Gly Asp Phe Gly
65 70 75

<210> 4184
<211> 41
<212> PRT
<213> Homo sapiens

<400> 4184
Met Thr Tyr Leu Leu Phe Leu Ser Glu Leu Asp Thr Leu Cys Pro Gly
1 5 10 15

Gln Pro Cys Pro Trp Ala Ala Thr Ala His Gln Ser Trp Glu Glu Ala
20 25 30

Gly Pro Gly Gly Leu Gly Arg Arg Gln
35 40

<210> 4185
<211> 12
<212> PRT
<213> Homo sapiens